# EARTH & SPACE SCIENCE 8

Mrs. Duddles

Q3 – Space & Earth Systems



### MONDAY 04/01 - FRIDAY 04/05

WCS District – Closed
Spring Break
Have a safe break!



### FRIDAY - 03/29 HALF DAY PM SESSION ONLY

#### **Objectives:**

- Students will relate the processes of erosion and deposition by water to the landforms that result from these processes
- Students will analyze the effects of physical and chemical weathering on Earth's surface, including examples of each kind of weathering
- Students will describe Earth's spheres, give examples of their interactions, and explain the flow of energy that makes up Earth's energy budget

#### White Space:

How does the cause-and-effect relationship between Earth's atmosphere and the sun's energy affect life on Earth?

#### Agenda:

- Finish discussion on Activity 1 Earth's Sphere directed reading (15 mins)
- Finish Earth Science Unit 1 Activity 2 Weathering directed reading
  - Complete Procedures steps 1, 2, 3 & 4



Reminder: 5 – Question Check for Understanding quizzes on Activity 1 Earth's Spheres and Activity 2 Weathering after break

### THURSDAY -03/28

#### **Objectives:**

- Students will relate the processes of erosion and deposition by water to the landforms that result from these processes
- Students will analyze the effects of physical and chemical weathering on Earth's surface, including examples of each kind of weathering
- Students will describe Earth's spheres, give examples of their interactions, and explain the flow of energy that makes up Earth's energy budget

#### White Space:

Identify the effects of the relationship between Earth's atmosphere and the sun's energy.

- Work on Earth Science Unit 1 Activity 2 Weathering directed reading
  - Complete Procedures steps 1 & 2



# WEDNESDAY - 03/27

#### **Objectives:**

- Students will relate the processes of erosion and deposition by water to the landforms that result from these processes
- Students will analyze the effects of physical and chemical weathering on Earth's surface, including examples of each kind of weathering
- Students will describe Earth's spheres, give examples of their interactions, and explain the flow of energy that makes up Earth's energy budget

#### White Space:

What evidence do we have that shows the Earth is not just made of solid rock?

- Finish Earth Science Unit 1 Earth's Surface Activity 1 Earth's Spheres (15 mins)
- Discuss and Review Activity 1 Earth's Spheres directed reading



# TUESDAY - 03/26

#### **Objectives:**

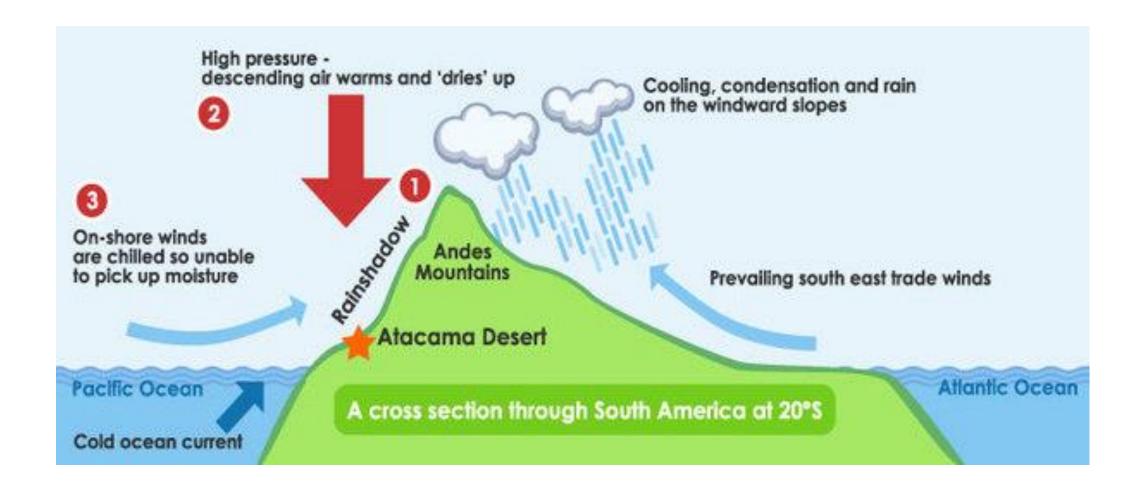
- Students will relate the processes of erosion and deposition by water to the landforms that result from these processes
- Students will analyze the effects of physical and chemical weathering on Earth's surface, including examples of each kind of weathering
- Students will describe Earth's spheres, give examples of their interactions, and explain the flow of energy that makes up Earth's energy budget

#### White Space:

How did the Atacama desert become the driest place on Earth?

- Work on Earth Science Unit 1 Earth's Surface Activity 1 Earth's Spheres directed reading
  - Complete Procedures steps 1, 2, 3, & 4 on Activity 1 student handout







### MONDAY - 03/25

#### **Objectives:**

- Students will relate the processes of erosion and deposition by water to the landforms that result from these processes
- Students will analyze the effects of physical and chemical weathering on Earth's surface, including examples of each kind of weathering
- Students will describe Earth's spheres, give examples of their interactions, and explain the flow of energy that makes up Earth's energy budget

#### White Space:

List two ways in which you interact with different parts of the Earth on a daily basis.

- Pass back and discuss Unit 3 Earth Moon Sun System unit test
- Introduction to Earth Science (<u>The Driest Place on Earth</u>)



# FRIDAY - 03/22

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

About how long does it take to cycle from one new moon to the next new moon?

- Take Unit 3 Earth Moon Sun System unit test
- Turn in test with study guide when completed
- Read silently for remainder of hour



### THURSDAY - 03/21

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

Explain what causes seasons.

- Discuss and review Unit 3 Earth Moon Sun System unit review and study guide
- Study for Unit 3 Earth Moon Sun System unit test
- Unit Test on Friday 03/22



### WEDNESDAY - 03/20

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

How are the sun, Earth, and moon aligned when neap tides occur?

- NWEA Language Usage Test today no Science class
- If done with NWEA test, work on Unit 3 Earth Moon Sun System unit review and study guide
- Unit Test on Friday 03/22



### TUESDAY - 03/19

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

How are the sun, Earth, and moon aligned when spring tides occur?

- Work on Unit 3 Earth Moon Sun Systems unit review
- Work on Unit 3 Earth Moon Sun System study guide
- Unit Test on Friday 03/22



### MONDAY - 03/18

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

Why is the timing of tides predictable?

- Take Activity 8 Earth's Tides Check for Understanding Quiz (15 mins)
- Finish Lab Activity 15 Tidal Math (20 mins)
- Work on Unit 3 Earth Moon Sun Systems review (Unit Test on Friday 03/22)



# FRIDAY - 03/15

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

What makes it possible for you to see the moon from Earth? What causes tides?

#### Agenda:

- Discuss and review Activity 8 Earth's Tides directed reading
- Work on Lab Activity 15 Tidal Math

Reminder: Activity 8 Earth's Tides Check for Understanding Quiz Monday 03/18



### THURSDAY — 03/14 HALF DAY AW SESSION ONLY

### **Objectives:**

- •Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- •Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

### Agenda:

Half Day AM Session only – no Science class today



### WEDNESDAY - 03/13

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

What keeps the moon in orbit around Earth?

- NWEA Math Test today no Science class
- If done with NWEA by 6<sup>th</sup> period, work on Earth-Moon-Sun System Unit Review

### TUESDAY - 03/12

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

What phase will the moon always be in when a solar eclipse happens? Explain.

#### Agenda:

Continue work on Activity 8 Earth's Tides directed reading



### MONDAY - 03/11

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

What phase will the moon always be in when a lunar eclipse happens? Explain.

- Take Activity 7 Check for Understanding 5 Question Quiz
- Start work on Activity 8 Earth's Tides directed reading



### FRIDAY - 03/08 HALF DAY PM SESSION ONLY

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

During which solstice would the sun be at its highest point in the sky in the Northern Hemisphere? What season would this be in the Northern Hemisphere?

#### Agenda:

View National Geographic videos on moon phases and eclipses

Reminder: Re-read the Moon Phases and Eclipses lesson in the Space Science book to prepare for Activity 7 Check for Understanding Quiz

### FRIDAY - 03/08 HALF DAY PM SESSION ONLY

Links to National Geographic videos about:

The Sun

The Moon

Lunar Eclipse

Solar Eclipse



### THURSDAY - 03/07

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

At the December solstice, when Earth's North Pole is tilted away from the sun, what season is it in the Northern Hemisphere?

- Finish work on Activity 7 Moon Phases and Eclipses directed reading (10 mins)
- Discuss and review Activity 7 Moon Phases and Eclipses



### WEDNESDAY - 03/06

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### Agenda:

NWEA 8<sup>th</sup> Grade Reading Test today – no Science class

#### If done with NWEA test early:

Work on Lab Activity 11A Gravity and Distance & 11B Free-Fall Distances
 WS

### TUESDAY - 03/05

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

What causes seasons?

- Continue work on Activity 7 Moon Phases and Eclipses directed reading
  - Complete Procedures steps 1, 2, 3 & 4



# MONDAY - 03/04

#### **Objectives:**

- Students will explain what tides are and what causes them in Earth's oceans, and describe variations in the tides
- Students will describe the effects the sun and the moon have on Earth, including gravitational attraction, moon phases, and eclipses
- Students will relate Earth's days, years, and seasons to Earth's movement in space

#### White Space:

How long does it take Earth to complete one revolution around the sun?

- Start work on Activity 7 Moon Phases and Eclipses directed reading
  - Complete Procedures steps 1 & 2



### FRIDAY - 03/01

#### **Objectives:**

- Students will relate Earth's days, years, and seasons to Earth's movement in space
- Students will describe the some of the properties of the terrestrial planets and the gas giant planets. They will also compare the properties of these planets to the properties of Earth
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

How long does it take Earth to complete a rotation on its axis?

- Take Activity 6 Earth's Days, Years, and Season's quiz (15 mins)
- Complete Lab Activity 14 Earth's Rotation and Revolution



### THURSDAY -02/28

#### **Objectives:**

- Students will relate Earth's days, years, and seasons to Earth's movement in space
- Students will describe the some of the properties of the terrestrial planets and the gas giant planets. They will also compare the properties of these planets to the properties of Earth
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

If Earth's axis was not tilted relative to its orbit, what would the seasons be like?

- Discuss and review Activity 6 Earth's Days, Years, and Seasons directed reading due today
- The Four Seasons activity



# WEDNESDAY - 02/27

#### **Objectives:**

- Students will relate Earth's days, years, and seasons to Earth's movement in space
- Students will describe the some of the properties of the terrestrial planets and the gas giant planets. They will also compare the properties of these planets to the properties of Earth
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

What are the seasons and what pattern do they follow?

#### Agenda:

Practice informational text reading; complete guided reading for "Mmmm ...
 Flavorful Food!" article

HW: Finish Activity 6 Earth's Days, Years, and Seasons directed reading due Thursday

### TUESDAY - 02/26

#### **Objectives:**

- Students will relate Earth's days, years, and seasons to Earth's movement in space
- Students will describe the some of the properties of the terrestrial planets and the gas giant planets. They will also compare the properties of these planets to the properties of Earth
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

What do you know about how Earth moves in space?

- Finish Activity 6 Earth's Days, Years, and Seasons directed reading
  - Complete Procedure steps 1, 2, 3 & 4; due Wednesday 02/27



### MONDAY - 02/25

#### **Objectives:**

- Students will relate Earth's days, years, and seasons to Earth's movement in space
- Students will describe the some of the properties of the terrestrial planets and the gas giant planets. They will also compare the properties of these planets to the properties of Earth
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

The presence of water on Mars was a significant discovery for scientists. Why is this discovery so important?

- Work on Activity 6 Earth's Days, Years, and Seasons directed reading
  - Complete Procedure steps 1 & 2



### MONDAY 02/18 - FRIDAY 02/22

WCS District – Closed
Winter Break
Have a safe break!



### FRIDAY - 02/15 HALF DAY AM SESSION ONLY

### **Objectives:**

- •Students will describe the some of the properties of the terrestrial planets and the gas giant planets. They will also compare the properties of these planets to the properties of Earth.
- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### Agenda:

Half Day AM Session only – no Science class today



### THURSDAY - 02/14

#### **Objectives:**

- Students will describe the some of the properties of the terrestrial planets and the gas giant planets. They will also compare the properties of these planets to the properties of Earth.
- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

Which planets are most like Earth?

- Finish Lab Activity 13 Classifying Planets; read and follow directions in lab handout (15 mins)
- Discuss and review Lab Activity 13 Classifying Planets



### WEDNESDAY - 02/13

#### **Objectives:**

- Students will describe the some of the properties of the terrestrial planets and the gas giant planets. They will also compare the properties of these planets to the properties of Earth.
- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

What layers of the sun make up its interior?

- Finish Planet Poster Project presentations
- Start work on Lab Activity 13 Classifying Planets; read and follow directions in lab handout



# TUESDAY - 02/12

WCS District – Closed

Due to inclement weather



### MONDAY - 02/11

#### **Objectives:**

- Students will describe the some of the properties of the terrestrial planets and the gas giant planets. They will also compare the properties of these planets to the properties of Earth.
- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

What layers of the sun make up its atmosphere?

- Planet Poster Project due today:
  - Give a brief presentation to the class on your chosen planet
  - Turn in your planet poster with grading rubric; be sure your name is on the poster and rubric
- Start work on Lab Activity 13 Classifying Planets; read and follow directions in lab handout (if time)



# FRIDAY - 02/08

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

Which element makes up more than 70% of the sun?

#### Agenda:

- Finish Lab Activity 10 Model Solar Composition
  - Present and explain your group's model of the sun
  - Discuss and review lab; turn in student handout for grading
- Start work on Lab Activity 13 Classifying Planets (if time)

Reminder: Planet Poster Project due Monday 02/11; this is a 50 points assessment grade

## THURSDAY - 02/07

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

Explain the red shift.

#### Agenda:

- Continue work on Lab Activity 10 Model Solar Composition
- Work with your group to determine what materials you will use and how much of the materials you will need to make a model of the composition of the sun
- It may help to create a circle graph to represent solar composition first

Reminder: Planet Poster Project due Monday 02/11; this is a 50 points assessment grade

## WEDNESDAY - 02/06

## WCS District – Closed Due to inclement weather



## TUESDAY - 02/05

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

High frequency electromagnetic radiation has more or less energy than a low frequency radiation?

#### Agenda:

- Finish Lab Activity 12 A Model of the Universe
- Discuss and review Lab Activity 12; turn in student handout for grading
- Start Lab Activity 10 Model Solar Composition

Reminder: Planet Poster Project due Monday 02/11; this is a 50 points assessment grade

## MONDAY - 02/04

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

What is centripetal force?

#### Agenda:

- Review Activities 4 & 5 quiz
- Turn in Activity 5 The Sun student handout for grading
- Discuss Electromagnetic Radiation packet; start Lab Activity 12 A Model of the Universe

Reminder: Planet Poster Project due Monday 02/11



## FRIDAY - 02/01

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

State Kepler's first law of planetary motion.

#### Agenda:

- Take Quiz on Activities 4 & 5; turn in quiz with Activity 5 The Sun student handout for grading
- Read and review Electromagnetic Radiation packet; be ready for lab Monday

Reminder: Planet Poster Project due Monday 02/11



## MONDAY 01/28 - THURSDAY 01/31

WCS District – Closed

Due to inclement weather



## FRIDAY - 01/25

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

What is the best term to describe the shape of the orbits of planets in our solar system?

#### Agenda:

Discuss and review Activity 5 The Sun directed reading assignment due today

Reminder: Quiz on Activities 4 & 5 Monday 01/28

Get poster paper from Mrs. Duddles for Planet Poster Project due Mon. 02/11



## ACTIVITIES 4 & 5 TOPICS

- Role gravity play in forming the sun
- Effect of mass and distance on force of gravity
- Kepler's three laws of planetary motion
- Shape of orbits of planets in our solar system
- Centripetal force
- Composition of the sun
- Layers of the sun and what happens at each layer
- Solar flares, sunspots, prominences (know what they are and be able to recognize them)



## THURSDAY - 01/24

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

What are sunspots?

#### Agenda:

- Continue researching your chosen planet for Planet Poster Project; due Monday 02/11
- Don't forget to finish Activity 5 The Sun directed reading assignment; due Friday 01/25

Reminder: Quiz on Activities 4 & 5 Monday 01/28



# WEDNESDAY - 01/23 WCS District - Closed Due to inclement weather



## TUESDAY - 01/22

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

The gravity between objects increases as the masses of the objects (increase / decrease).

As the distance between two objects increases, the force of gravity (increases / decreases).

#### Agenda:

- Review Mid-Term Exam
- Discuss and review Planet Poster Project student handout; start researching your chosen planet
- Activity 5 The Sun directed reading assignment is due Thursday 01/24

Reminder: Quiz on Activities 4 & 5 Friday 01/25



## MONDAY 01/21

# WCS District - No School MLK Holiday



## FRIDAY - 01/18 HALF DAY PM SESSION ONLY

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will compare the various historical models of the solar system
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

How does the sun produce energy?

#### Agenda:

Finish Activity 5 The Sun directed reading assignment; due Tuesday

Notice: Quiz on Activity 4 Gravity and the Solar System and Activity 5 The Sun next week Thursday 01/24

## THURSDAY - 01/17

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will compare the various historical models of the solar system
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

Which type of star has a shorter life-span, a low-mass star or a high-mass star?

#### Agenda:

- Take Earth Science 8 Mid-Term Exam
- Turn in Exam with Study Guide when completed
- Work on Activity 5 The Sun directed reading assignment for remainder of period

## WEDNESDAY - 01/16

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will compare the various historical models of the solar system
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

What is a proto-star?

#### Agenda:

- Start Activity 5 The Sun directed reading assignment
- Study for Mid-Term Exam; time to ask questions with Mrs. Duddles

Reminder: Earth Science 8 Mid-Term Exam is Thursday 01/17



## TUESDAY - 01/15

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will compare the various historical models of the solar system
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

Define nebula.

#### Agenda:

- Finish work on Study Guide for Mid-Term Exam (35 mins)
- Time to ask Mrs. Duddles questions about Study Guide and Mid-Term Exam
- Study for Mid-Term Exam

Reminder: Earth Science 8 Mid-Term Exam is Thursday 01/17



## MONDAY - 01/14

#### **Objectives:**

- Students will explain the role that gravity played in the formation of the solar system and in determining the motion of the planets
- Students will compare the various historical models of the solar system
- Students will describe the structure and rotation of the sun, energy production and energy transport in the sun, solar activity on the sun

#### White Space:

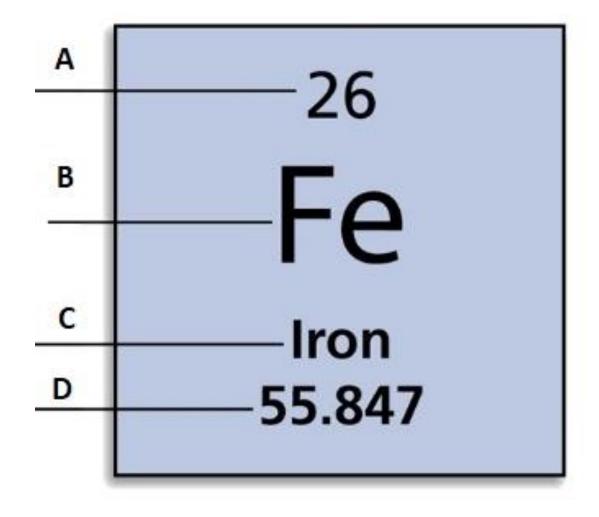
Draw and label the information shown in a square of the Periodic Table. See next slide.

#### Agenda:

- Finish Atomic Spectra Quick Lab
- Work on Study Guide for Mid-Term Exam
- Study for Mid-Term Exam

Reminder: Earth Science 8 Mid-Term Exam is Thursday 01/17





### WHITE SPACE 01/14 MONDAY

- Copy the image
- Label the parts



## ATOMIC SPECTRA QUICK LAB — 01/14

In the White Space of your Science Notebook:

- When scientists look at stars that are hundreds (or more) light years away, they can determine the chemical elements that make up that star. How do you think that a scientist can do this even though the star is too far away for a spaceship to reach?
- We are now going to watch a short video: <u>NASA Launchpad</u>:
   <u>Neon Lights Spectroscopy in Action</u>

At the conclusion of the video, re-answer the above question in your Science Notebook.

