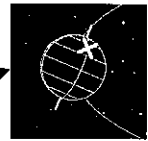
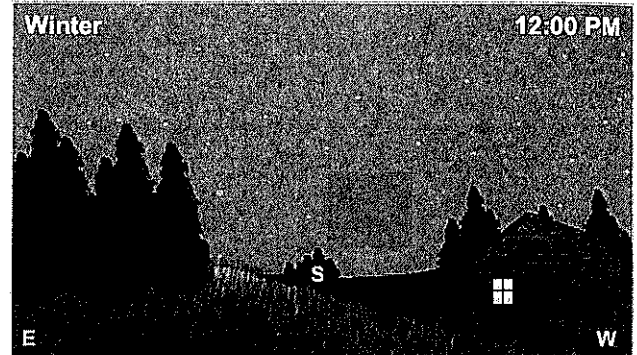
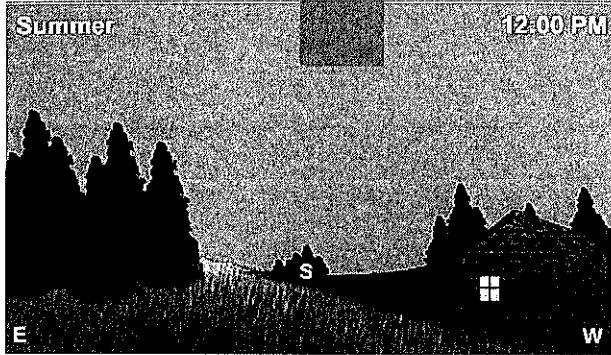


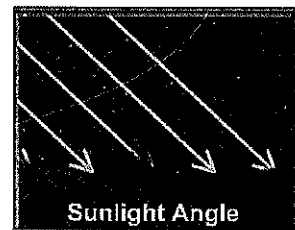
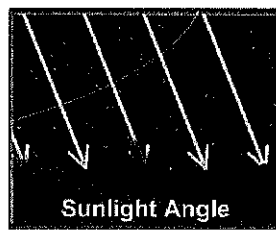
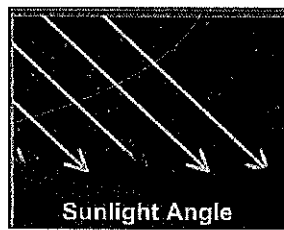
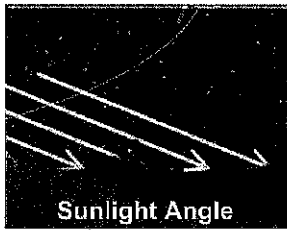
Return to the class webpage, and click the **Tilt and Season Review** link



10. Click the EARTH button near the bottom of the screen. Drag the Earth sphere in the diagram to its Summer Solstice position. Repeat for the Winter Solstice. *Sketch the Sun's path as it crosses the sky in each situation.*



11. Identify the season (spring, summer, fall, winter) shown by each sun ray diagram below.



Explain your choice.

Return to the class webpage, and click: **Your AGE on Other Worlds**

Type your exact birthdate and hit calculate.

Planet	Mercury	Mars	Neptune
Current Age (years)			
Next Birthday (including year)			

Summary: How would Kepler explain your different ages on 3 different planets?

Add our class website as one of your "favorites/bookmarks" on your school account.

Get a teacher's initials: _____

Solar System Tour

Earth Science

Name: _____

Date: _____ Hr: _____

Learn about the solar system planets while reading the following sections:

Section 29.2 The Inner Planets (p. 594-597)

Intro:

1. Why are inner planets called *terrestrial*?
2. Describe the following characteristics of terrestrial planets:



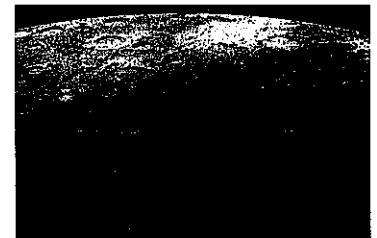
Characteristic	Surfaces + Features	# of Moons	Presence of Rings
Description			

Mercury

3. Revolution = _____ days Rotation = _____ days.
(Bonus) Look at the rotation and revolution numbers closely. What is odd about them?

Dividing Mercury's rotation / 2 = _____ days of total sunlight and _____ days of darkness...which means temperatures on the light side = _____ °C = _____ °F (see 1.09 notes), and temperatures on the dark side _____ °C = _____ °F (see 1.09 notes).

4. Atmosphere is best described as: _____
because: 1)
 2)



Venus

5. Revolution = _____ days
 Rotation = _____ days...but **different** from Earth because:

6. Earth's **Twin**?

Similarities to Earth (list)	Differences from Earth (list)

7. Temperatures = _____ °C = _____ °F.
 Explain HOW Venus' temperatures became so high.



Earth

8. Revolution = _____ days Rotation = approximately _____ hrs

Describe how Earth's distance from the Sun makes it unique.

We will learn MUCH more this year about Earth...after all we're in EARTH SCIENCE!!!

Solar System Tour

Earth Science

Name: _____

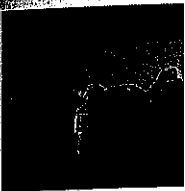
Date: _____ Hr: _____

Mars

9. Revolution = _____ days

Rotation = approximately _____ hours

Our next home?



Similarities to Earth (list)	Differences from Earth (list)

Section 29.3 The Outer Planets (p. 598-604)

Intro

10. Why are outer planets called *Jovian*?

11. Characteristics of Jovian planets:

12. Describe 2 differences between Jovian and terrestrial planets:

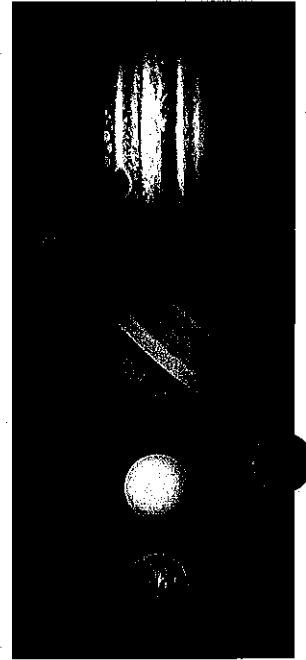


Jupiter

13. Revolution = _____ years Rotation = approximately _____ hrs

Describe Jupiter's composition (surface and interior):

14. Describe Jupiter's atmosphere features and composition.



Saturn

15. Revolution = _____ years

Rotation = _____ hours

Are Jupiter and Saturn *Twins*?

Similarities (list)	Differences (list)

Uranus

16. Revolution = _____ years

Rotation = _____ hours

Describe what is unique about Uranus' rotation.

Neptune

17. Revolution = _____ years

Rotation = _____ hours

Describe similarities between Neptune and Uranus.