22: Sun, Moon, Earth (20 points + 15 vocab)

# 22A

1- Give 2 reasons why the sun is important to use here on Earth.

5- What are the main elements in the sun?

6- Create a sketch of the sun’s interior and label it.

8- What are sunspots?

# 22B

1- Why is the moon nearly spherical?

2- How do we know about the moon’s interior?

4- What do we call the nearly circular depressions on the moon’s surface? Who gave them this name?

# 22C

2- Do the sun, moon and earth all experience rotations and revolutions? Explain.

3- When viewed from “above” the ecliptic plane, what direction do the sun, moon, and earth rotate/revolve?

4- If the same surface of the moon always faces us, then how can we say that the moon is rotating?

5- Diagram and label the phases of the moon in order, beginning and ending with the new moon.

7 – What two variables create the seasons?

## Review Questions

1- Why is the sun a special star?

2- Why can’t we see most of the sun’s energy?

4- Where does the sun’s energy come from? How is it released into space?

9- Why do footprints, craters, and mountains on the moon never seem to change over time?

10- What causes the apparent motion of the sun along the ecliptic?

11- What shape is the moon’s orbit? What are the apogee and perigee?

12- How can you tell if the moon is waxing or waning?

15- What is an earth tide?

# Vocabulary 22

Solar spectrum

Nuclear fusion

Photosphere

Chromosphere

Corona

Solstice v. Equinox

Gibbous v. Crescent

Sunspots

Solar flares

Ecliptic

Revolution v. Rotation

Waxing v. Waning

Perigee v. Apogee

Terminator

Solar v. Lunar eclipse