

Natural Science 9: Test Review-Space
Answers

Answer each of the following questions.

a. What are the two reasons we have seasons here on earth?

The two reasons we have seasons is because of the rotation of the earth on its axis and because the earth revolves around the sun.

b. How long does it take the earth to make one revolution? 1 yr or 265 days rotation? 24 hours or 1 day.

c. What are the major characteristics of the moon?

It has no atmosphere and its surface is filled with craters, hills and valleys. It is non-luminous.

d. What is the scientific term for a shooting star? meteor

e. What is the difference between natural satellites and artificial satellites?

Natural Satellites – revolve around the planets

Artificial Satellites – put there by humans

f. What is a comet? a chunk of frozen matter that travels in an orbit around the sun. How long does it take for Halley's comet to make one revolution? 76 years

g. Give 5 facts about an inner planet. Use your poster to study from.

h. Give 5 facts about an outer planet. Use your poster to study from.

i. Briefly describe a probe? An unmanned space craft sent into space to do research Why are probes sent to other planets and moons? to research, look for signs of life, send back data to earth for our use etc.

j. Which planet is described as the "goldie-locks" planet? Earth Explain why? It's just right: the right temperature (not too cold, not too hot), the right atmosphere, contains useable water etc.

k. Describe the difference between a meteorite and a meteoroid.

A meteoroid is a lump of rock and metal trapped by Earth's gravity and pulled down to earth's atmosphere.

A meteorite occurs when meteoroids are large enough and hit the surface of the Earth.

l. Describe what would happen if a giant meteorite crashed into Earth's surface on land and on water.

On Land – it would create a crater (hole in the earth), would damage anything it lands on i.e. houses, people, businesses etc. create a huge amount of dust.

On Water- it would create a large wave, may damage the land underneath the water where it lands, and disrupt fish or other organisms near the crash site.

m. Where would the best place for space debris to land to cause minimum damage? On Water

n. What are the major characteristics of the sun?

- Brightest star in the sky
- provides the earth with energy, heat and light.
- Contains vitamin D.
- Gives off harmful UV rays