

The Earth and the Solar System Questions



1. State the three weaknesses of the Nebula cloud theory.
2. Identify the shape of the earth.
3. Describe the forces responsible for the shape of the Earth.
4. Explain five proofs that have been brought forward that the earth is spherical.
5. Distinguish between rotation and revolution of the Earth.
6. Explain four effects of rotation of the Earth
7. Name the exact dates when the following occurs.
 - a. Equinox
 - b. Summer Solstice
 - c. Winter Solstice
8.
 - a. The local time at Nairobi on longitude 0° is 8:00 AM. What will be the time at Moyale on longitude 40° W
 - b. If the local time in Kampala on longitude 37° E is 10:00PM, what will be the time at Buchanan Liberia on Longitude 10° W
 - c. The time at town A which is at longitude 15° E is 10.00am what time is at town B 0°
 - d. When the local time in New York 74° W is 8.00 a.m. what is the local time at Kitale 35° E.
9. What is the effect of International Date Line on time?
10. Define the Solar system, eclipse, star and orbit.
11. Mention the components of the solar system
12.
 - a. What are celestial bodies
 - b. Name **five** celestial bodies
13. Name the parts of a cross section of the earth's structure.
14. Give two dates in the year when the number of hours of darkness is equal in both the north and south poles.

15.
 - a. Draw a well labelled diagram to show the external structure of the earth.
 - b. Draw a simple labeled diagram to show the internal structure of the earth.
16. Differentiate between meteors and meteorites.
17. Identify the minerals that make up the:-
 - a. Mantle.
 - b. Barysphere.
18. Why is the interior of the earth very hot?
19. Name the known planets which belong to the solar system.
20. Discuss the passing star theory.
21. With the aid of a well labeled diagram, describe the formation of:
 - a. Solar eclipse
 - b. Lunar eclipse