13. The Sun, the Earth and the Moon

Worksheet -1

**A. Tick the correct answers.**

**1.** The Sun and the planets revolving around it are just a small part of a galaxy called

**a.** small galaxy. **b.** huge galaxy. **c.** Milky Way.

**2.** The Sun was formed nearly billion years ago.

**a.** 4.6 **b.** 5.6 **c.** 4.8

**3.** The Sun is made up of

**a.** gases. **b.** liquids. **c.** solids.

**B. Fill in the blanks.**

**1.** The centre of the Sun is \_\_\_\_\_\_\_\_\_\_ than its outer region.

**2.** The Sun radiates energy from its \_\_\_\_\_ to the whole solar system.

**3.** The \_\_\_\_\_\_\_\_\_ is the only planet that has life on it.

**4.** The Earth receives light and heat from the \_\_\_\_\_\_\_.

**C. Give one word for the following.**

**1.** The central region of the Earth

**2.** The force exerted by the Earth that holds the objects close to its surface

**3.** The outermost rocky surface of the Earth

**4.** The energy that we receive from the Sun

**D. Answer these questions.**

**1.** State three facts that make life possible on the Earth.

13. The Sun, the Earth and the Moon

Worksheet -2

**A. Tick the correct answers.**

**1.** The only natural satellite of the Earth is the

**a.** Moon. **b.** Sun. **c.** Star.

**2.** The moonlight is nothing but reflected

**a.** light from the Earth. **b.** sunlight. **c.** light from a comet.

**3.** The Moon completes one revolution around the Earth in

**a.** 27.9 days. **b.** 29.3 days. **c.** 27.3 days.

**B. Write True or False. Correct the false statements.**

**1.** The gravity on the Moon is six times less than the gravity on the Earth.

**2.** As the size of the Moon appears to decrease, it is called the waxing moon.

**3.** The conditions needed for life exist on the Moon.

**4.** The time taken from one new moon to the next is called a lunar month.

**C. Answer the questions.**

**1.** What is meant by a waxing moon and a waning moon?

**2.** Why is there no evidence of life on the Moon so far?

13. The Sun, the Earth and the Moon

Worksheet -3

**A. Tick the correct answers.**

**1.** When the Moon comes in between the Earth and the Sun, it blocks the sunlight and casts its shadow on the Earth. This forms a

**a.** lunar eclipse. **b.** solar eclipse. **c.** full moon.

**2.** The satellites sent into space by rockets to orbit the Earth are called

**a.** artificial satellites. **b.** jet airplanes. **c.** flying objects.

**3.** The first man-made satellite launched in 1957 was named

**a.** Chandrayaan. **b.** Aryabhata. **c.** Sputnik.

**B. Fill in the blanks.**

**1.** Artificial satellites are mostly used for \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_.

**2.** Weather satellites gather information about formation and movement of \_\_\_\_\_\_\_\_\_\_\_\_\_.

**3.** Scientists who study objects in space such as the stars, moons, planets, comets, meteors, etc., are called \_\_\_\_\_\_\_\_\_\_\_\_\_.

**4.** A piece of rock or metal from space that burns up on entering the Earth’s atmosphere is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**C. Answer these questions.**

**1.** What is the major contribution of Aryabhata, the Indian Astronomer?