



RAMAGYA SCHOOL, NOIDA
V/SCIENCE/2017-18
OLYMPIAD PRACTICE WORKSHEET

Q1. The force of gravity on the moon is _____ that of the Earth.

- a) Half
- b) One-sixth
- c) Equal to
- d) One-eighth

Q2. A solar eclipse occurs on a _____

- a) Full Moon day
- b) New Moon day
- c) Crescent Moon day
- d) Gibbous Moon day

Q3. The closest neighbour of the earth in space is the _____

- a) The Sun
- b) Mercury
- c) Moon
- d) Venus

Q4. Which star is at the center of our Solar System?

- a) Moon
- b) Sun
- c) Polar Star
- d) Earth

Q5. Which type of eclipse occurs at full moon?

- a) Lunar Eclipse
- b) Solar Eclipse
- c) Total Eclipse
- d) Question does not provide sufficient data

Q6. I undergo periodic changes. I am the one who is responsible for tides. I am the king of nights but I beg light from sun. Who am I?

- a) The Sun
- b) The Earth
- c) The Moon
- d) The Star

Q7. A lunar eclipse occurs when _____ comes between _____ and the Sun.

- a) The Moon, The Earth
- b) Venus, The Earth
- c) The Earth, The Moon
- d) The Earth, Mars

Q8. The first human to step on the Moon is _____.

- a) Neil Armstrong
- b) Michael Collins
- c) Rakesh Sharma
- d) Edwin Aldrin

Q9. What is moon?

- a) A natural satellite that orbit around the sun
- b) A star that orbits around a planet
- c) An artificial satellite that orbits around the sun
- d) A natural satellite that orbits around the earth

Q10. One cannot hear any sound on the moon because of _____

- a) Absence of atmosphere on the moon
- b) Presence of atmosphere on the moon
- c) Presence of craters on the moon
- d) Absence of water on the moon

Q11. Which of the following satellites are used to relay radio waves from one place on Earth to another?

- a) Weather
- b) Communication
- c) Research
- d) Navigation

Q12. The first Indian to go to moon is

- a) Kalpana Chawla
- b) J Norway
- c) Anil Sharma
- d) Rakesh Sharma

Q13. The figure shows the shape of the moon in the night sky. What is the phase of the moon at this time?

- a) Gibbous Moon
- b) Half Moon
- c) New Moon
- d) Crescent Moon



Q14. The natural satellite of the earth is:

- a) Astroid
- b) The Moon
- c) Meteors
- d) The Sun

Q15. When is a shadow formed?

- a) When light is blocked by an object.
- b) When light is passed through a magnifying glass.
- c) When light is passed through a glass pane.
- d) When light is allowed to pass through a piece of transparent paper.

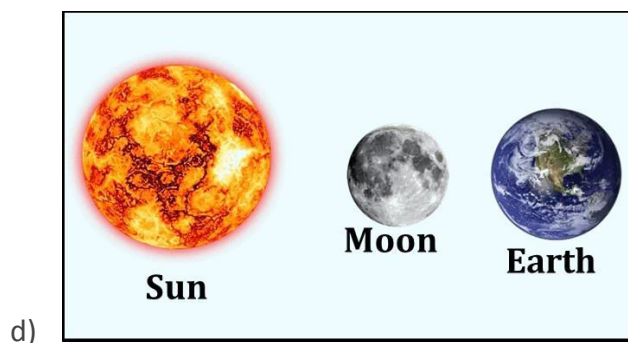
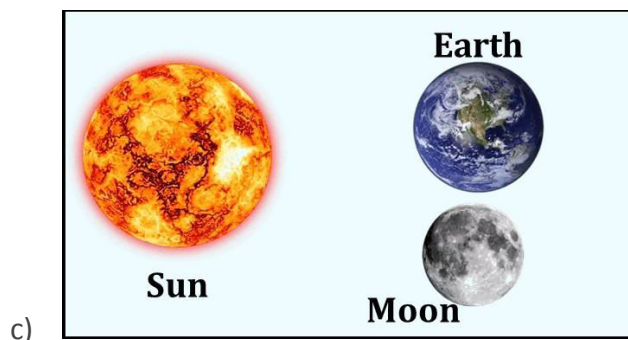
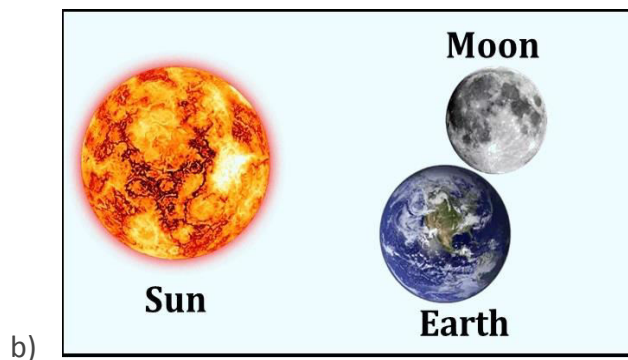
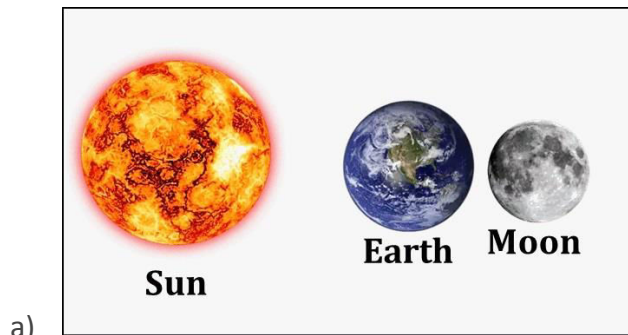
Q16. Which object is closest to the Earth?

- a) Venus
- b) The Sun
- c) Mars
- d) The Moon

Q17. Name the first man-made satellite.

- a) Aryabhata
- b) Apple
- c) Sputnik - 1
- d) Google

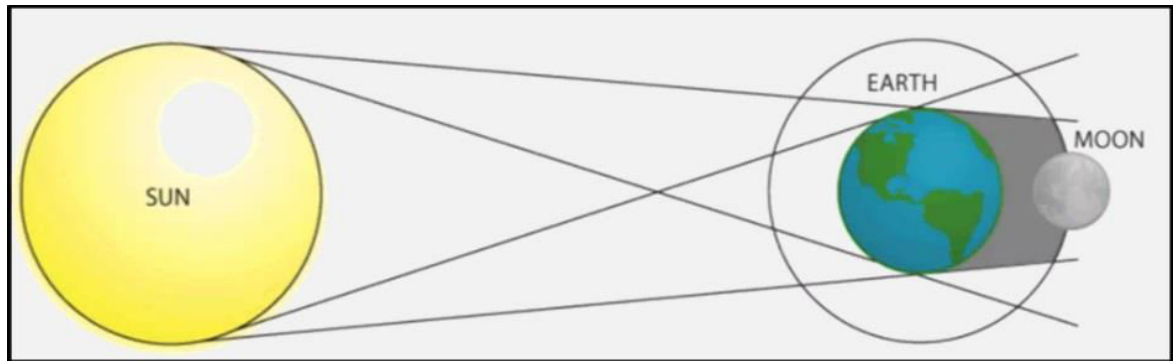
Q18. Which diagram correctly shows the positions of the Moon-Sun in a total solar eclipse?



Q19. Which type of the eclipse occurs at new moon?

- a) Solar Eclipse
- b) Partial Eclipse
- c) Lunar Eclipse
- d) Total Eclipse

Q20. The diagram shows the positions of the sun, earth and moon.



What is the eclipse taking place?

- a) Lunar Eclipse
- b) Total eclipse of Sun
- c) Eclipse
- d) Solar Eclipse