



# PHYSICS

## NCERT - NCERT Physics(Hinglish)

### STARS AND THE SOLAR SYSTEM

#### Questions

1. Which of the following is NOT a member of the solar system?

A. An asteroid

B. A satellite

C. A constellation

D. A comet

**Answer: C**



**Watch Video Solution**

2. Which of the following is NOT a planet of the sun?

A. Sirius

B. Mercury

C. Saturn

D. Earth

**Answer: A**



**Watch Video Solution**

**3. Phases of the moon occur because**

A. we can see only that part of the moon which reflects light towards us.

B. our distance from the moon keeps changing.

C. the shadow of the Earth covers only a part of the moon's surface.

D. the thickness of the moon's atmosphere is not constant.

**Answer: A**



**Watch Video Solution**

4. Fill in the following blanks with suitable words :

The planet which is farthest from the sun is.....



[Watch Video Solution](#)

5. Fill in the following blanks with suitable words :

The planet which appears reddish in colour is.....



[Watch Video Solution](#)

6. Fill in the following blanks with suitable words :

The group of stars that appears to form a recognisable pattern in the sky is known as.....



[Watch Video Solution](#)

7. A celestial body that revolves around a planet is known as \_\_\_\_\_.



**Watch Video Solution**

8. Fill in the following blanks with suitable words :

Shooting star are actually not.....



**Watch Video Solution**

**9.** Fill in the following blanks with suitable words :

Asteriod are found between the orbits of  
.....and.....



**Watch Video Solution**

**10.** State whether the following statements are true or flase :

Pole Star is a member of the Solar System.



**Watch Video Solution**



**11.** State whether the following statements are true or false :

Mercury is the smallest planet of the solar system.



**Watch Video Solution**

**12.** State whether the following statements are true or false :

Uranus is the farthest planet in the Solar System.



[Watch Video Solution](#)

**13.** State whether the following statements are true or false :

INSAT is an artificial satellite.



[Watch Video Solution](#)

**14.** State whether the following statements are true or false :

There are nine planets in the Solar System.





[Watch Video Solution](#)

**15.** State whether the following statements are true or false :

Constellation Orion can be seen only with a telescope.



[Watch Video Solution](#)

**16.** Match items in column A with one or more items in column B.





[View Text Solution](#)

**17.** In which part of the sky can you find Venus if it is visible as an evening star?



[Watch Video Solution](#)

**18.** Name the biggest planet of the solar system.



[Watch Video Solution](#)

**19.** What is a constellation? Name any two constellations.



**Watch Video Solution**

**20.** Draw sketches to show the relative position of prominent stars in

(a) Ursa Major and

(b) Orion



**Watch Video Solution**

**21.** Name two objects other than planets which are members of the Solar System ?



**Watch Video Solution**

**22.** Explain with a diagram how you can locate pole star with the help of the constellation Great Bear (Ursa Major).



**Watch Video Solution**

**23.** Do all the stars in the sky move ? Explain .



[Watch Video Solution](#)

**24.** Why is the distance between stars expressed in light years? What do you understand by the statement that a star is eight light years away from the Earth?



[View Text Solution](#)

**25.** The radius of Jupiter is 11 times the radius of the Earth. Calculate the ratio of the volumes

of Jupiter and the Earth. How many Earths can Jupiter accommodate?



[Watch Video Solution](#)

**26.** Boojho made the following sketch of the solar system. Is the sketch correct? If not, correct it.



[View Text Solution](#)