

## Universe

1. The atmosphere of planet 'X' is made up of carbon dioxide. Chemical reactions between the atmosphere and the surface of 'X' make clouds of sulphuric acid.

The sulphuric acid rain never reaches the ground, but is evaporated by the heat before reaching the surface in a phenomenon known as virga.

Name the planet 'X' mentioned in the above paragraph.

- (a) Jupiter
- (b) Venus
- (c) Mars
- (d) Mercury

2. Arrange the given planets according to their size in descending order.

Saturn, Neptune, Venus, Mars

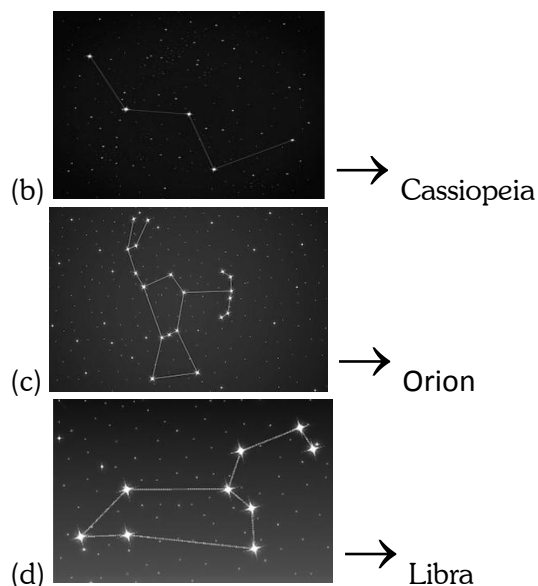
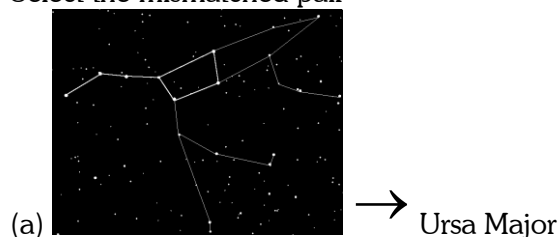
- (a) Saturn > Neptune > Venus > Mars
- (b) Neptune > Saturn > Mars > Venus
- (c) Saturn > Venus > Neptune > Mars
- (d) Neptune > Saturn > Venus > Mars

3. Which of the following statements is/are correct ?

- (i) Moon is the only satellite in the solar system with thick atmosphere and clouds.
- (ii) The fastest winds in the solar system blow on Neptune.
- (iii) Extra-vehicular activity involves venturing out of the spacecraft, in the space, to perform experiment.
- (iv) Halley's comet can be seen once in 78 years.

- (a) (i) and (ii)
- (b) (ii) only
- (c) (ii) and (iii)
- (d) (iv) only

4. Select the mismatched pair



5. Which of the following is the nearest star to the Earth after Sun ?

- (a) Alpha centauri A
- (b) Alpha centauri B
- (c) Proxima centauri
- (d) Luhman 16 A

6. Which of the following is the brightest star in the night sky ?

- (a) Pole star
- (b) Sirius
- (c) Both (A) and (B)
- (d) None of these

7. Which of the following is the first human-made object to reach the surface of the Moon?

- (a) Luna 9
- (b) Apollo 17
- (c) Surveyor 1
- (d) Luna 2

8. Which of the following is not a dwarf planet?

- (a) Eris
- (b) Haumea
- (c) Make make
- (d) Venus

9. Meteors are \_\_\_\_\_.

- (a) Small broken pieces of planet Jupiter
- (b) Shooting stars
- (c) Found in a belt between Earth and Venus
- (d) None of these

**10.** 'X' is a group of stars visible during winter season in the late evening. It resembles a hunter in the kneeling position. What is 'X' ?

- (a) Ursa Major
- (b) Orion
- (c) Cassiopeia
- (d) Aquarius

**11.** The celestial bodies which revolve around the Sun between the orbits of Mars and Jupiter are called

- (a) Asteroids
- (b) Comets
- (c) Meteors
- (d) Meteorites

**12.** When an astronaut makes a visit to moon then he perceives the colour of the outer space as

- (a) Dark blue
- (b) White
- (c) Black
- (d) Dark red

**13.** The person shown in the given picture is an American astronaut who performed the longest space walk for 8 hours and 56 minutes. Identify her.



- (a) Susan Helms
- (b) Sally Ride
- (c) Eileen Collins
- (d) Claudie Haignere

**14.** Apollo 11 was launched on a 363-foot- tall rocket called \_\_\_\_\_.

- (a) Saturn V
- (b) Jupiter C
- (c) Johnny V
- (d) Athena I

**15.** While watching stars Rohan found that a star is appearing blue. It is because

- (a) It is as hot as Sun
- (b) It is cooler than Sun
- (c) It is very cold indeed
- (d) It is much hotter than Sun

## Answer - Key

<b>1.</b> B	<b>2.</b> A	<b>3.</b> C	<b>4.</b> D	<b>5.</b> C
<b>6.</b> B	<b>7.</b> D	<b>8.</b> D	<b>9.</b> B	<b>10.</b> B
<b>11.</b> A	<b>12.</b> C	<b>13.</b> A	<b>14.</b> A	<b>15.</b> D