

Jawab semua soalan.  
Answer all questions.

**13.1** **Jasad Lain dalam Sistem Suria, iaitu Meteoroid, Asteroid dan Komet**  
**Other Bodies in the Solar System, such as Meteoroids, Asteroids and Comets**

1. Objek yang manakah dikenali sebagai planet kecil?

*Which object is known as small planet?*

- |                               |                                 |
|-------------------------------|---------------------------------|
| A Asteroid<br><i>Asteroid</i> | C Meteor<br><i>Meteor</i>       |
| B Komet<br><i>Comet</i>       | D Meteoroid<br><i>Meteoroid</i> |

2. Objek yang manakah berasal daripada serpihan asteroid dan komet?

*Which object is originated from fragments of asteroids and comets?*

- |                               |                                 |
|-------------------------------|---------------------------------|
| A Asteroid<br><i>Asteroid</i> | C Meteor<br><i>Meteor</i>       |
| B Komet<br><i>Comet</i>       | D Meteoroid<br><i>Meteoroid</i> |

3. Objek yang manakah diperbuat daripada gas dan air yang membeku menjadi ais?

*Which object is made up of gas and water that freeze into ice?*

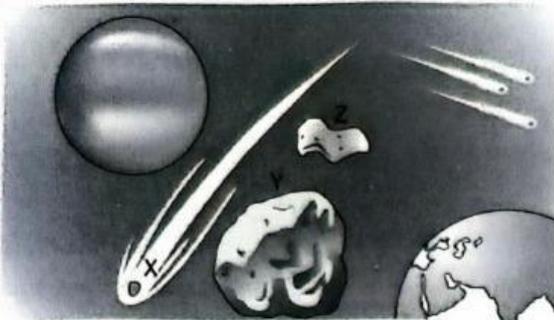
- A Asteroid  
*Asteroid*
- B Komet  
*Comet*
- C Meteor  
*Meteor*
- D Meteoroid  
*Meteoroid*

4. Perlanggaran objek X yang besar dengan Bumi boleh mengakibatkan kemusnahan dan kerosakan besar. Apakah objek X?

*Collision between a large object X and the Earth can cause great destruction and damage. What is object X?*

- |                               |                                 |
|-------------------------------|---------------------------------|
| A Asteroid<br><i>Asteroid</i> | C Meteor<br><i>Meteor</i>       |
| B Komet<br><i>Comet</i>       | D Meteoroid<br><i>Meteoroid</i> |

5. Rajah 1 menunjukkan jasad lain dalam sistem suria.  
Diagram 1 shows the other bodies in the solar system.



Rajah 1 / Diagram 1

Apakah objek X, Y dan Z?  
What are the object X, Y and Z?

	X	Y	Z
A	Asteroid	Meteoroid	Komet/ Comet
B	Meteoroid	Asteroid	Komet/ Comet
C	Komet/ Comet	Asteroid	Meteoroid
D	Meteoroid	Komet/ Comet	Asteroid

6. Ciri-ciri asteroid dan meteoroid yang manakah dipadankan dengan betul?  
Which characteristics of asteroids and meteoroids are matched correctly?

	Asteroid Asteroid	Meteoroid Meteoroid
A	Membentuk jalur asteroid Form the asteroid belt	Tidak membentuk sebarang jalur Does not form any belt
B	Serpihan batu kecil Small fragment of rock	Serpihan batu besar Large fragment of rock
C	Bersaiz kecil Small in size	Bersaiz besar Large in size
D	Terbina daripada batuan Comprises of rocky particles	Terbina daripada debu Comprises dust

7. Berikut menunjukkan pergerakan meteoroid.  
The following shows the movement of meteoroid.

- P ialah meteoroid yang memasuki atmosfera Bumi  
P is the meteoroid that enters the Earth's atmosphere
- Q ialah meteoroid yang jatuh  
Q is the meteoroid that hit onto the ground.

Apakah objek P dan Q?  
What are objects P and Q?

	P	Q
A	asteroid/ asteroid	meteorit/ meteorite
B	komet/ comet	meteor/ meteor
C	meteor/ meteor	meteorit/ meteorite
D	meteorit/ meteorite	meteor/ meteor

8. Mengapakah meteoroid boleh terapung dan bergerak secara bebas di angkasa?  
Why does the meteoroid can float and move freely in the space?

- I Saiz dan jisim meteoroid kecil  
Meteoroids have small mass and size
  - II Kelajuan meteoroid sangat tinggi  
Meteoroids move at very high speed
  - III Ketumpatan meteoroid tinggi  
Meteoroids have high density
  - IV Meteoroid senang dipengaruhi oleh daya tarikan graviti jasad-jasad lain di angkasa  
Meteoroids are easily influenced by the gravitational pull of other bodies in the space
- A I dan III                      C II dan IV  
I and III                        II and IV  
B I dan IV                      D II dan III  
I and IV                        II and III

9. Mengapakah Bulan lebih kerap dihentam oleh meteoroid berbanding Bumi?  
Why is the moon hit by meteoroids more frequently compared to Earth?

- A Saiz Bumi adalah lebih besar daripada Bulan  
The size of the Earth is bigger than the Moon
- B Daya tarikan graviti bulan lebih kuat  
Gravitational force of the Moon is greater
- C Bumi mempunyai atmosfera yang membakar meteoroid  
Earth has atmosphere that burns the meteoroid
- D Suhu permukaan Bumi yang lebih tinggi membakar meteoroid  
Higher surface temperature of the Earth burns the meteoroid