

BAHAGIAN A

Arahan: Jawab semua soalan.

Instruction: Answer all questions.

- 1** Maklumat berikut menunjukkan suatu objek dalam sistem suria.

The information below shows an object in the solar system.

- Terdiri daripada kepala dan ekor
Consists of a head and a tail
- Terbina daripada gas dan air yang membeku menjadi ais dan sedikit debu dan batuan
Comprises gas and water that freeze into ice, dust and rocky particles

Apakah objek itu?

What is the object?

- | | |
|--|---------------------------------------|
| A Asteroid
<i>Asteroid</i> | B Komet
<i>Comet</i> |
| C Meteoroid
<i>Meteoroid</i> | D Meteorit
<i>Meteorite</i> |

- 2** Antara ciri berikut, yang manakah persamaan antara asteroid dengan komet?

Which of the following characteristics is the similarity between an asteroid and a comet?

- A** Bergerak melalui orbitnya sendiri mengelilingi Matahari
Move through their own orbit around the Sun
- B** Bergerak secara bebas di angkasa
Move freely in space
- C** Dipengaruhi oleh tarikan graviti planet
Influenced by the gravitational pull of the planets
- D** Terbina daripada batuan dan logam
Made up of stones and metals

- 3** Apakah yang akan berlaku sekiranya asteroid dan Bumi bertemu pada titik persilangan orbit Bumi dengan orbit asteroid?

What will happen if an asteroid and the Earth met at the intersection of the Earth's orbit and the asteroid's orbit?

- A** Putaran Bumi akan berubah
The rotation of the Earth will change
- B** Orbit Bumi akan berubah ke atas
The Earth's orbit will change upwards
- C** Asteroid akan memasuki atmosfera Bumi
An asteroid will enter the Earth's atmosphere
- D** Perlanggaran antara Bumi dengan asteroid berlaku
A collision between Earth and an asteroid occurs

- 4** Berikut merupakan orbit asteroid kecuali

The following are orbits of asteroids except

- A** Apollo
Apollo
- B** Amor
Amor
- C** Ceres
Ceres
- D** Aten
Aten