Astronomy — Practice Test

Ontario Earth and Space Science, Grade 12, University Preparation (SES4U) • 10 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Nuclear fusion in a main sequence star balances gravity with outward**

- A Magnetic force
- B Radiation pressure
- C Friction
- D Electric force

Understand It with Pulse | Flag a mistake

2 **A nebula is a cloud of gas and dust where new stars can**

- A Disappear
- B Die only
- C Form
- D Explode only

Understand It with Pulse | Flag a mistake

3 **Cepheid variable stars are useful because their pulsation period relates to their**

- A Temperature only
- B Luminosity
- C Mass only
- D Age

Understand It with Pulse | Flag a mistake

4 **Hubble law states that more distant galaxies recede**

A Faster

B More slowly

C At the same speed

D Not at all

Understand It with Pulse | Flag a mistake

5 **The age of the universe is estimated at about**

A 100 billion years

B 1 billion years

C 13.8 billion years

D 4.6 billion years

Understand It with Pulse | Flag a mistake

6 **Dark energy is proposed to explain the accelerating expansion of the**

A Universe

B Milky Way only

C Earth orbit

D Solar system

Understand It with Pulse | Flag a mistake

7 **A comet tail points away from the Sun because of solar wind and**

A Rotation

B Magnetism only

C Gravity only

D Radiation pressure

Understand It with Pulse | Flag a mistake

8 **Meteor showers occur when Earth passes through debris left by a**

A Comet

B Planet

C Moon

D Star

Understand It with Pulse | Flag a mistake

9 **The ecliptic is the apparent annual path of the Sun across the**

A Galaxy

B Moon

C Horizon only

D Sky

Understand It with Pulse | Flag a mistake

10 **Polaris appears nearly fixed in the northern sky because it lies close to Earth**

A Orbit

B Magnetic pole

C Equator

D Rotation axis extended

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**5.**	C	**9.**	D
2.	C	**6.**	A	**10.**	D
3.	B	**7.**	D		
4.	A	**8.**	A		

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