

**18** An object is in a geostationary orbit around the Earth.

Which statement about the object is **not** correct?

- A** It must be orbiting in the plane of the Equator.
- B** It must be orbiting with the same angular velocity as that of the rotation of the Earth.
- C** It must be orbiting in the same direction as the direction of rotation of the Earth.
- D** It must be orbiting at the same speed as an object on the Equator.

**19** A student connects an electric circuit to investigate the changes in current and potential