

9 Geostationary satellites are used for communications.

- Which statement about geostationary satellites is correct?
 - A Heavier geostationary satellites are in higher orbits.
 - B Lighter geostationary satellites have shorter orbital periods.
 - C Their orbits are in the plane of the equator of the Earth.
 - D Their speed is the same as the point on the Earth directly below them.

10 Two isolated stars, of mass M and $4M$, are separated in space by a distance d between the