

**8** A stone tied to a string is moving in a circular path. The speed of rotation is increased. Which statement is correct?

- A** The increase in angular speed causes the linear speed to increase.
- B** The increase in linear speed causes the angular speed to increase.
- C** The increase in angular speed causes the force applied to increase.
- D** The increase in force applied causes the angular speed to increase.

**9** The International Space Station (I.S.S.) and a satellite orbit around the Earth at radii of