

Section 3 Assessment



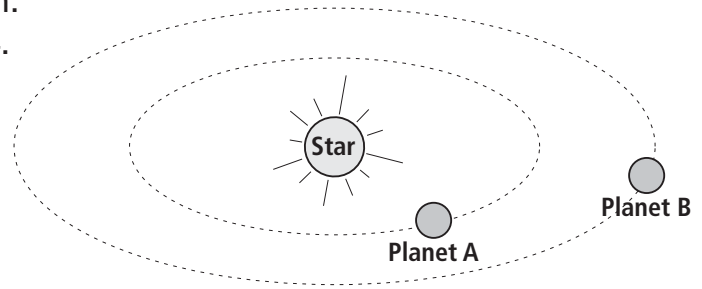
Vocabulary

- 1 The force of attraction that exists between all objects

- 2 A change in an object's speed or direction _____

Orbits

The diagram shows an imaginary solar system.
Use the diagram to answer questions 3 and 4.



- 3 Which planet takes longer to complete one orbit, and why?

- 4 Both planets have about the same mass. Which planet is pulled more strongly by the star, and why?

Weight and Falling

- 5 Loop the string over one finger. Hold the ball in that same hand and notice its weight. **Do not swing the ball.** Turn your hand over so the ball falls. Do this a few times. Then describe the changing weight of the ball in your hand, as it is falling, and when it has stopped falling.
