

Concept Review

Section: Measuring Motion

1. **Select** the quantity that has changed—velocity or speed—for a car that travels north at 88 km/h and then turns east while continuing to move at 88 km/h. Explain your answer.

2. **Infer** how distance and speed in the motions of analog clock parts are used to measure time.

3. **Explain** how you can use a speedometer and a clock to tell how far you have traveled in a car if the car's odometer is not working. (**Hint:** Assume you are traveling at a constant velocity.)

4. **Calculate** the distance a plane flies on a 7.95-hour flight from Chicago to London. Assume a constant speed of 800.0 km/h.

5. **Determine** a skier's velocity in kilometers per hour if it takes her 1.7 minutes to ski down a 1.67 km slope.

6. **Describe** how you could use two photographs taken at different times to prove that the moon is in motion.
