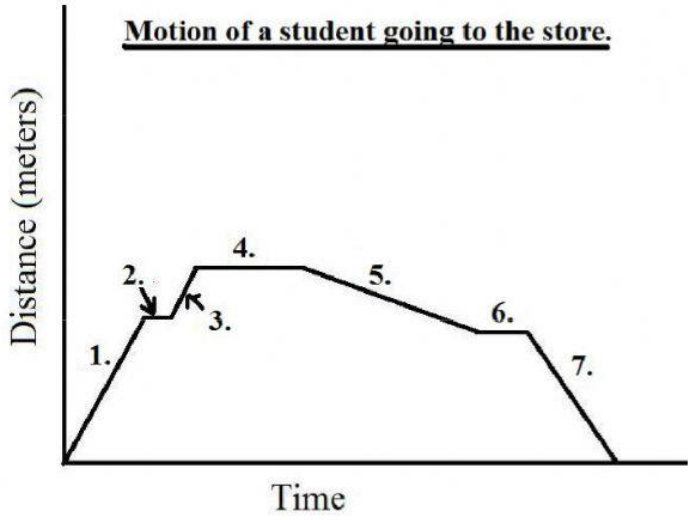

____ 11. Which one of the following statements is true about the motion of the student.
- a. The students speed was ***slower*** **along line 1. than along line 5.**
- b. The students speed was ***fastest*** **along line 5.**
- c. The students speed was ***faster*** **along line 1. than along line 5.**
- d. The students speed was ***slowest*** **along line 1.**

____ 12. The parts of the graph that show the students return trip are _____
- a. 1. and 2.
- b. 1. 2. and 3.
- c. 3. 4. and 5.
- d. 5. 6. and 7.

____ 13. The parts of the graph show that the student was stopped are _____
- a. 1. and 3.
- b. 5. and 7.
- c. 2. 4. and 6.
- d. 1. and 7.

____ 14. Which part of the trip took the longest amount of time?
- a. The part of the trip represented by line 1.
- b. The part of the trip represented by line 7.
- c. The trip to the store.
- d. The trip home from the store.

____ 15. The basic SI unit of length is the
- a. meter.
- b. foot.
- c. inch.
- d. mile.

____ 16. Speed equals distance divided by
- a. time.
- b. velocity.
- c. size.
- d. motion.

____ 17. If the speed of an object does NOT change, the object is traveling at a(n)
- a. constant speed.
- b. average speed.
- c. increasing speed.
- d. decreasing speed.

____ 18. If a bicyclist travels 30 kilometers in two hours, her average speed is
- a. 30 km/h.
- b. 60 km/h.
- c. 15 km/h.
- d. 2 km/h.

____ 19. When you know both the ***speed and the direction*** of an object's motion, you know the
- a. **average speed** of the object.
- b. **acceleration** of the object.
- c. **distance** the object has traveled.
- d. **velocity** of the object.

____ 20. If an object moves in the same direction and at a constant speed for 4 hours, which of the following is true?
- a. The object's speed changed during the 4 hours.
- b. The object's velocity did not change.
- c. The object accelerated during the 4 hours.
- d. The object decelerated during the 4 hours.