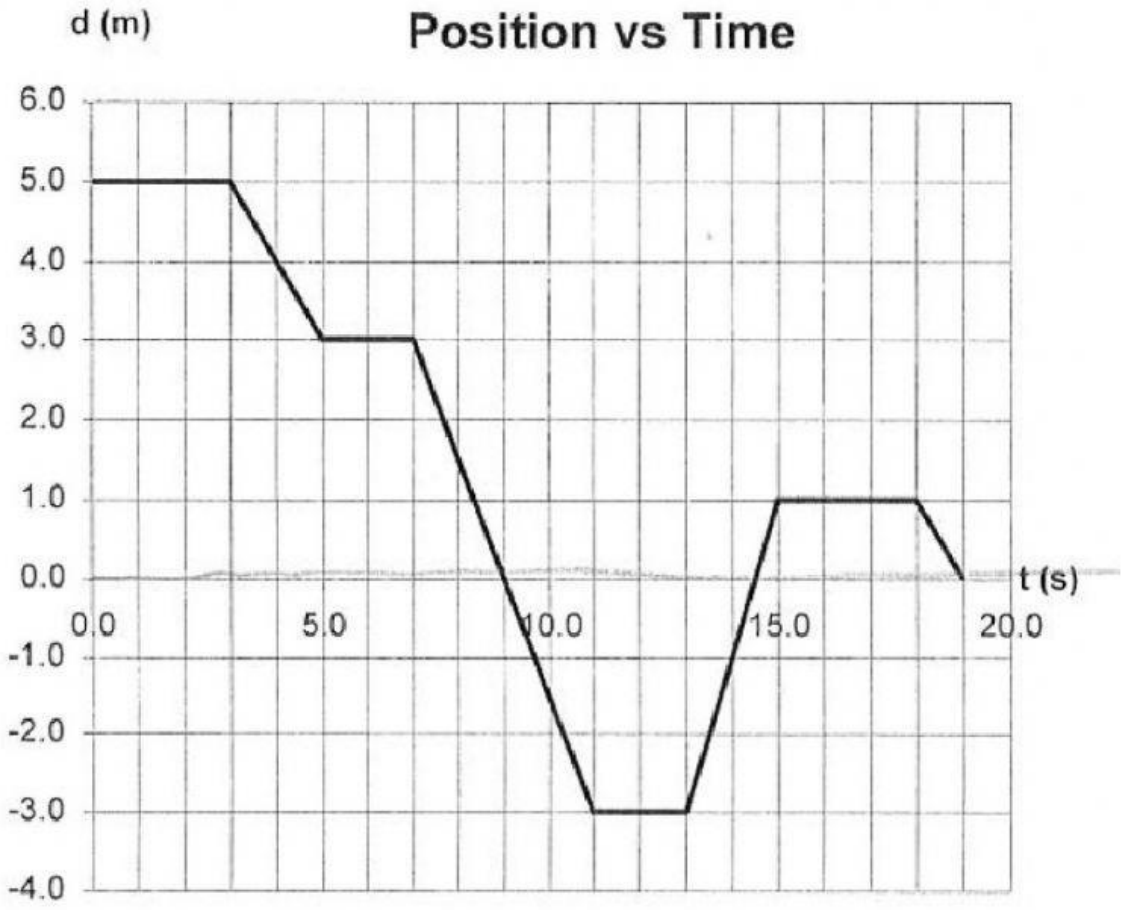
Practice Question: Distance-Time Graph

The graph below shows the relation between position and time for a certain object



1. For what time interval(s) in the object at rest? (Use capital letter U between intervals and present your answer in the following format (no spaces and include units at the very end after 1 space): [0,10]U[15,20] s

2. What is the velocity of the object at 9.0 s?

   m/s

3. What is the velocity of the object at 14.0 s?

m/s

4. What is the velocity of the object at 17.0 s?

m/s

5. What is the displacement of the object from 4.0 s to 16.0 s? (** units **)

6. What is the distance covered from 4.0 s to 16.0 s? (** units **)

7. What is the average speed from 4.0 s to 16.0 s?

m/s

8. What is the average velocity from 4.0 s to 16.0 s?

m/s