Speed

1. Fill in the blanks

- A. Acceleration can be negative or positive but it cannot be_____.
- B. Acceleration is a _____ quantity.
- C. _____is a scalar quantity.
- D. The average speed is always greater than or equal to the______.
- E. SI unit of speed is _____.

2. True or false

A. The mathematical calculation of velocity is much more complicated than that of speed.

3. Match the following:-

Column A	Column B
Acceleration unit	m/s
SI unit of velocity	kg
SI unit of mass	m/s ²

4. Answer the following questions

- A. What is speed? How we can calculate the speed?
- B. What is acceleration? Explain it with formula.
- C. What are the types of speed? Name them.
- D. What is the difference between average speed and instantaneous speed?