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Helpful website: <http://www.physicsclassroom.com/MC/L3/motion1a.html>



Part 1: MOTION AND FORCES

1. How do you know if an object is moving?
2. Describe a reference point and explain why it is important.

Scalars and Vectors

1. Define and list at least 4 examples of each.

Scalars:

Vectors:

2. Identify each of the following as either scalars or vectors.

5m

50m/s, East

2 mi, North

20°C

128 Bytes

4000 Calories

3. Why is 20m/s a scalar, not a vector?

Distance and Displacement

1. Define and list at least one example of each.

Distance:

Displacement:

2. If both measure how far you go, what is the difference between distance and displacement?
3. Can distance and displacement ever be the same? Explain.
4. If you go for a 15 minute walk can your distance or displacement be zero? Explain.

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Tobias Bleicker



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