

Name _____

Science

Class _____

Date _____

Homework 3-12: Acceleration

1. What measurements or observations tell you that a car is accelerating?
2. If an object accelerates in the same direction in which it is moving, how is its speed affected?
3. What measurements do you need in order to calculate acceleration?
4. A car goes from 20 m/s to 30 m/s in 10 seconds. What is its acceleration?
5. Is it possible for an object that has a constant negative acceleration to change the direction in which it is moving? Explain why or why not.