

NAME:

PERIOD:



## FRAME OF REFERENCE HOMEWORK

Answer all questions to the best of your ability. Be specific. Be scientific.

1. You are a policeman at the site of a car crash. As you are questioning witnesses of the accident, why might people describe what they saw about the accident differently? (Answer using your knowledge of frame of reference.)

2. If you were an astronaut on a spacewalk, why would it be hard to describe where you were to a person in the spacecraft who couldn't see you? (Answer using your knowledge of frame of reference.)

3. If you are driving in a car, why does it appear that the trees and the road are moving, and not you? (Answer using your knowledge of frame of reference.)