

Name: _____ Date: _____ Class: _____

Hare and Snail Challenges Post- Quiz **Answer Key**

1. What did you find most effective to make your robot a) faster and b) slower?

FASTER – increasing gear ratio, increasing motor power, decreasing robot weight

SLOWER – decreasing gear ratio, decreasing motor power, increasing robot weight

2. What are some problems you faced when you designed a fast robot for the Hare Challenge?

When you make a light robot, it is not structurally stable and can fall apart. You also lose torque, making the robot unstable.