Year 5 Science: Weight, friction, and air and water resistance

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. Why is it harder to push a full supermarket trolley than an empty one?

2. A toy car is rolled onto ice, lino and carpet. On which surface will friction stop it soonest?

3. Group A's three results were 40 cm, 42 cm and 41 cm. Group B's were 20 cm, 55 cm and 38 cm. Which group controlled its variables better?

4. What force slows down a swimmer moving through the pool?

5. Why do mountain bike tyres have big knobbly treads?

Fix the mistake

6. Correct this statement: "A rolling ball stops because it runs out of force."

7. Correct this statement: "Mass and weight are the same thing."

8. Correct this statement: "Smooth surfaces have no friction at all."

9. Correct this statement: "Air does not push on anything, because you cannot see it."