Year 4 Science: Contact and non-contact forces: ramps, magnets and gravity

Name: _____ Date: _____

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

Practice

1. Kicking a ball: is that a contact or a non-contact force?

2. The north pole of one magnet is near the south pole of another. Do they attract or repel?

3. Which one will a magnet attract: a steel nail, an aluminium can, or a copper pipe?

4. Why is a wheelie bin easier to move than a box of the same weight dragged on the ground?

5. An apple falls from a tree. Which force pulls it, and is it a contact force?

6. Why does a full trolley need a bigger push than an empty one?

Fix the mistake

7. Correct this statement: "All metals stick to magnets."

8. Correct this statement: "Two north poles pull together."

9. Correct this statement: "A ramp makes the box lighter."

10. Correct this statement: "Gravity only works on things that are falling."