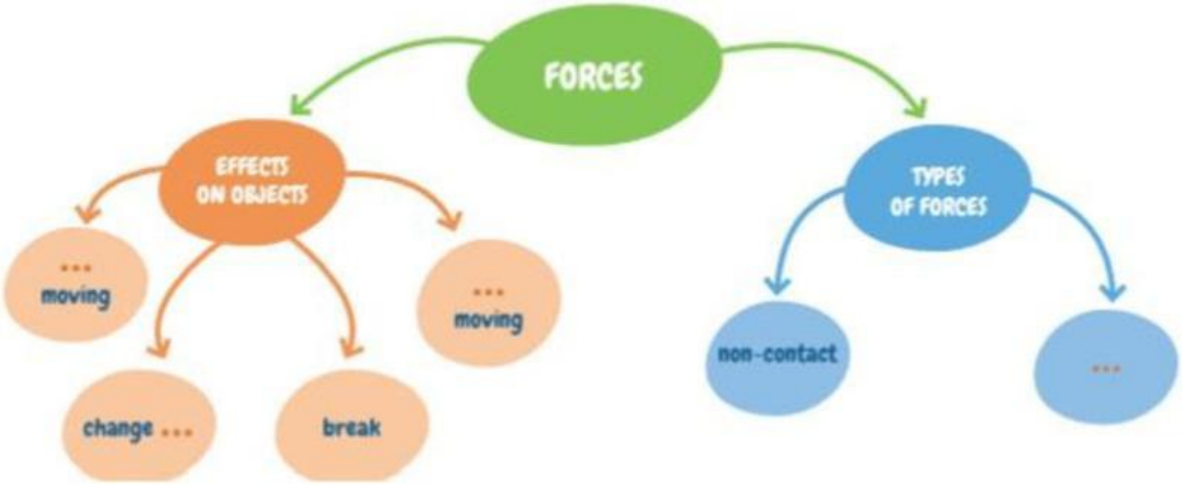
SCIENCE TEST. 4TH GRADE. UNIT 11 NAME: _____ DATE: 05-06-2026

1 COMPLETE the summary.

- A ____ is a push or a pull on an object. There are two types: ____ forces and ____
- A ... ____ is an object that makes our lives easier and saves time.
- Examples of ____ machines are: ... ____, inclined planes and ____
- Some of the most important inventions and discoveries in history are: the printing ____, the steam ____, ____, the r____ and the ____

2 COPY and COMPLETE the concept map.

Use these words: stop | contact | shape | start



3 LOOK at the photos. Write in your notebook the effect of each force.

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4 NAME **these simple machines.**

5 NAME **the form of energy that these machines use.**

A

B

C

6 **Complete the text with the words from the box.**

stop – break – moving – shape

Forces can make objects change ..... or .....

They can also make objects start ..... or make them

..... if they are moving.

7 **The Earth attracts the Moon and makes it move around it. Tick.**

- What force is responsible for this?

  ☐ electricity ☐ gravity

- What type of force is it?

  ☐ a contact force ☐ a non-contact force

8 **What is the difference between a contact and a non-contact force? Circle.**

- A **contact force / non-contact force** happens when two objects touch each other.
- A **contact force / non-contact force** acts at a distance. Two objects interact, but do not touch each other.

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9 MARK THE CORRECT OPTION WITH AN ✕.

1. **The force that attracts objects towards the centre of the Earth is…**
   - ☐ a) the force of gravity.
   - ☐ b) a contact force.
   - ☐ c) a force that repels.
   - ☐ d) a force that breaks.

2. **To work, all machines need…**
   - ☐ a) electricity.
   - ☐ b) energy.
   - ☐ c) fuel.
   - ☐ d) water.

3. **A solid bar with a fixed point of support is…**
   - ☐ a) an inclined plane.
   - ☐ b) a balance.
   - ☐ c) a lever.
   - ☐ d) a pulley.

4. **The radio was invented in the 19th century by…**
   - ☐ a) Gutenberg.
   - ☐ b) Marconi.
   - ☐ c) Edison.
   - ☐ d) Tesla.

5. **Techniques like X-rays and ultrasound allow us to…**
   - ☐ a) keep food in better conditions.
   - ☐ b) share culture and different types of entertainment.
   - ☐ c) transport products around the world easily.
   - ☐ d) improve medical diagnostics and treatments.

10 **Match.**

The printing press •	• uses energy from coal to make machines work.
The steam engine •	• is a system to send signals without cables.
Radio •	• makes it possible to make lots of copies of a book.

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