

FORCES AND MACHINES

Name: _____

Unit 3 End-of-unit test

Class: _____

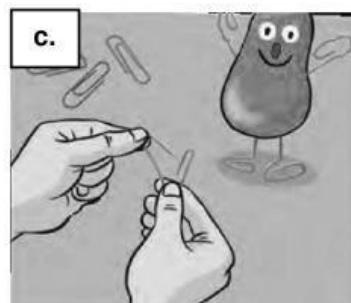
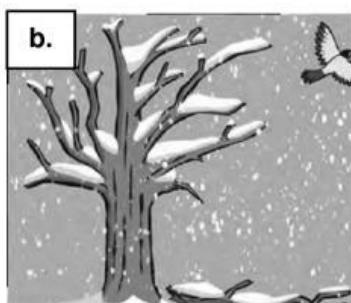
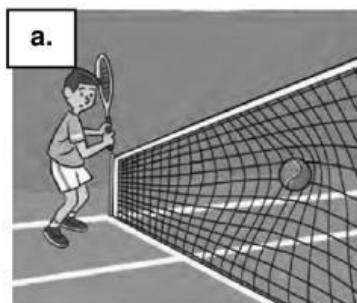
1. Complete the table.

Types of forces	EXAMPLES
Contact	normal force a. _____ b. _____ c. _____
d. _____	e. _____ f. electrostatic force g. _____

2. Circle the correct words to complete the sentences.

- Many objects in our daily life, such as **computers** / **tennis balls**, use magnetism.
- Buoyancy is an object's capacity to **float** / **submerge** in water or rise in air.
- The Earth and the **Moon** / **Sun** have the strongest gravitational pull.
- Rapid charge movements in storm clouds produce **rain** / **lightning**.
- Iron, cobalt and nickel are **poles** / **metals**.
- Force can change the position of a **stationary** / **moving** object.

3. Label the pictures.



plastic deformation

fracture deformation

elastic deformation

4. Cross out the mistakes in each sentence. Write the correct word or words.

a. Gravity keeps on the ground and helps us float off into space.

.....

b. Magnetism describes the force of attraction between two objects.

.....

c. We apply force to change the direction or shape of a moving object.

.....

5. Look at the pictures. Write S (simple machine) or C (complex machine).

