



Force and Energy

EXERCISE

E.V.S

A. Multiple Choice Questions (MCQs).

Choose the correct answer from the following :

1. We can walk on the ground without slipping because of the

a. gravitational force

b. buoyant force

c. frictional force

d. elastic force

2. When the fulcrum is between the load and effort then it is

a. 1st class lever

b. 2nd class lever

c. Pulley

d. Screw

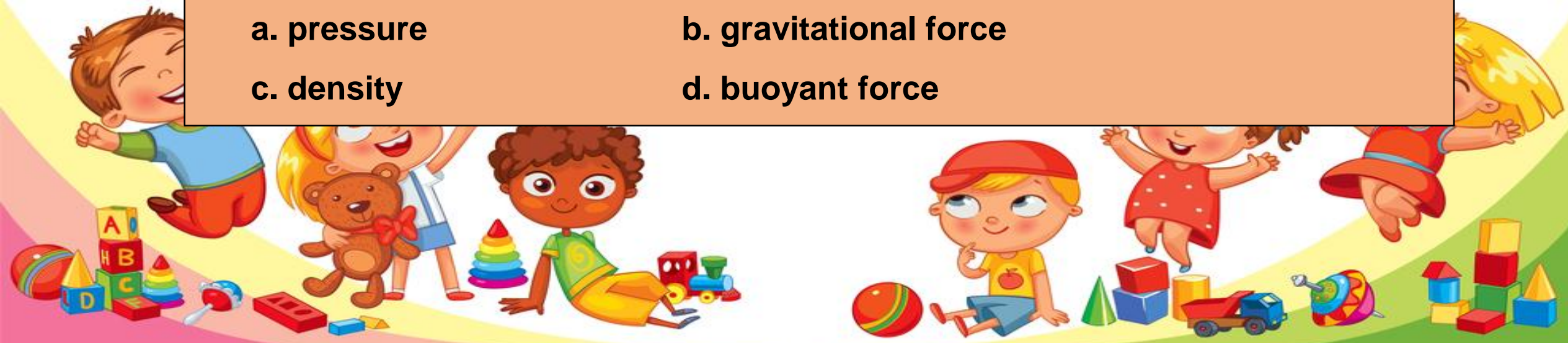
3. The force that enable an object to float on water is

a. pressure

b. gravitational force

c. density

d. buoyant force



B. Fill in the blanks.

1. _____ slows down a moving object.
2. A pulley changes the _____ of the applied force.
3. Musical instruments are sources of _____ energy.
4. _____ force arises when a body deforms.
5. A pair of scissor is an example of _____.



C. State whether the given statements are True or False.

1. Simple machines make our work complicated.

2. When we push or pull something we apply energy.

3. Kinetic energy is the form of wind energy.

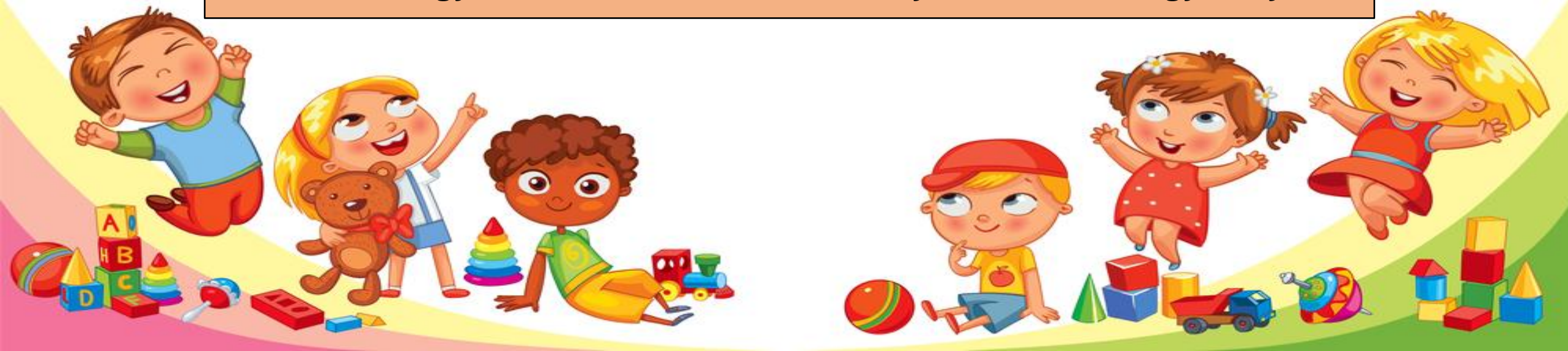
4. Ability to do work is called energy.

5. Solar energy is the most readily available source of energy.



D. Answer the given questions.

- 1. Define the term energy.**
- 2. What are the different types of forces? Name them.**
- 3. Name all renewable sources of energy.**
- 4. What is the source of geo-thermal energy?**
- 5. What is pulley? What are its two types?**
- 6. Wind energy is more environment friendly than heat energy. Why?**



Life Skill

A. Model

Prepare a model showing the generation of wind energy.



B. Group discussion

Arrange a classroom discussion on the topic; “Renewable energy resources vs Non-renewable energy resources”.

