SAMPEL PERCUMA

Science Year 5 DLP: Force and Energy Worksheet

Set penuh: DLP Science Year 4–6

Year 5

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KSSR 2026 EDITION · DLP · YEAR 5

SCIENCE PRACTICE YEAR 5

KSSR 2026 — English edition for DLP

✓ Complete topics — 5 main Year 5 Science chapters

✓ 20 practice sheets with many types of questions

✓ Full answer key at the back

✓ For practice at home and in class

✓ English (DLP) | 2026 edition

Name: _____ Class: _____ Date: _____

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Note for parents & teachers: This practice book covers all the main Year 5 Science topics in the current KSSR syllabus, in English for DLP pupils. Questions go from easy to hard so pupils understand each idea step by step.

CHAPTER 2: FORCE AND ENERGY

Key idea: A force is a push or a pull that can change the shape, direction or speed of an object. Energy is the ability to do work. There are many forms of energy: kinetic, potential, heat, light, sound and electrical.

A. Fill in the blanks with the correct answers.

1. The force that pulls all objects towards the centre of the Earth is called _____ force.
2. The energy of an object that is moving is called _____ energy.
3. _____ force resists the movement of an object when surfaces touch each other.
4. When a spring is pressed, it stores _____ energy.
5. The unit for measuring force is the _____ (N).

B. Classify the type of energy involved in each situation.

Situation	Type of energy
A lamp bulb that is switched on	
A waterfall falling from a height	
A guitar being plucked to make a sound	
A train moving on the track	
Food eaten by humans	

CHAPTER 2: FORCE AND ENERGY — Experiment & Analysis

E. Read the experiment report and answer the questions.

Experiment: The Effect of a Force on an Object

Procedure: Ali takes a piece of plasticine and does three tests: (1) pressing, (2) stretching and (3) twisting the plasticine.

Result: In each test, the shape of the plasticine changes according to the force used.

1. What is the variable that is changed (the manipulated variable) in this experiment?

2. What is Ali trying to prove with this experiment?

3. If Ali uses a bigger force, what will happen to the plasticine?

4. Give another example of a material that changes shape when a force is applied.

F. Match each energy source with an example of its use.

Energy source	Example of use
Wind energy	Solar panels on a roof
Solar energy	Hydroelectric dam
Water energy	Windmill turbine
Biomass energy	Burning rubbish to make electricity

** Match by drawing lines or writing letters.*

CHAPTER 2: FORCE AND ENERGY — HOTS Questions

G. Higher Order Thinking Skills (HOTS) Questions

1. Malaysia uses a lot of energy from fossil fuels. Suggest TWO alternative energy sources suitable for Malaysia and give a reason for each.

2. An electric car uses chemical energy in its battery to move. Describe the chain of energy changes from the battery until the tyres turn.

3. Why does science say energy cannot be created or destroyed, only changed from one form to another? Explain with a suitable example.

ANSWER KEY — CHAPTER 4

A. Fill in the blanks:

1. Earth's crust 2. Earth 3. Revolution 4. Ozone 5. 27–29 days (about one month)

B. Order of the planets:

1-Mercury 2-Venus 3-Earth 4-Mars 5-Jupiter 6-Saturn 7-Uranus 8-Neptune

C. Earth diagram:

The side facing the Sun = Day; the side not facing the Sun = Night

D. Choose the answer (p. 16):

1-B 2-B 3-B 4-B

E. Phases of the Moon:

1. New Moon 2. First Quarter (half moon) 3. Full Moon 4. Last Quarter (third quarter)

F. Short answers:

1. A star gives out its own light (e.g. the Sun); a planet receives and reflects light (e.g. Earth, Mars).
2. Because the time the Moon takes to spin on its axis is the same as the time it takes to go around the Earth (~27 days).
3. Harmful ultraviolet rays would reach the Earth's surface, causing skin cancer and damage to ecosystems.

TAMAT SAMPEL

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