

Student worksheet

3.2 Potential energy is stored energy

Pages 44–45 and 170

Potential energy is stored energy

1 What is potential energy?

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2 What are the four types of potential energy? Give an example of each.

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3 In the following table, identify the type of potential energy shown in each picture.



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Name: \_\_\_\_\_

Class: \_\_\_\_\_



- 4 Name two objects that have potential chemical energy transformed into another type of energy. For each object, state the type resulting energy.

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- 5 Name two objects that have potential elastic energy transformed into another type of energy. For each object, state the type resulting energy.

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- 6 Name two objects that have potential gravitational energy transformed into another type of energy. For each object, state the type resulting energy.

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Name: \_\_\_\_\_

Class: \_\_\_\_\_

## Extend your understanding

- 7 Potential energy is used in children's playgrounds. Choose five pieces of play equipment shown in the diagram below. For each item selected, name the type of potential energy it uses and explain how this results in motion.




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