DoodleBeez Worksheets

Grades 6 to 8 | Science

Name: Date: Score: / 8

Hot and Cold Reactions: Learn and Practice

Reactions that release or absorb energy

Read each question. Circle the best answer.

💡 Exothermic and Endothermic

- An exothermic reaction releases thermal energy, so the surroundings warm up.
- An endothermic reaction absorbs thermal energy, so the surroundings cool down.
- Hand warmers and instant cold packs use these reactions.
- squeeze a cold pack and it feels icy: endothermic

1 🧤 Hand warmers get hot when opened to air. What does this show?

A. An endothermic reaction B. An exothermic reaction C. Melting D. A cold reaction

2 🧊 An instant cold pack feels cold. Which type of reaction is inside?

A. Combustion B. Endothermic C. Rusting D. Exothermic

3 A reaction that absorbs heat is called what?

A. Exothermic B. Explosive C. Endothermic D. Combustion

4 🏕️ A campfire burning is an example of which type of reaction?

A. Endothermic B. Neither C. Exothermic D. Melting

5 A reaction that releases heat is called what?

A. Exothermic B. Endothermic C. Physical D. Neutral

6 A thermometer in a reaction drops from 22 to 12 degrees Celsius. What type is it?

A. Explosive B. Endothermic C. Neutral D. Exothermic

7 In an exothermic reaction, what happens to the temperature of the surroundings?

A. It drops B. It stays the same C. It rises D. It becomes zero

8 🌿 Photosynthesis uses energy from sunlight to make sugar. What type of reaction is it?

A. Combustion B. Exothermic C. A physical change D. Endothermic

ANSWER KEY

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