Melting: From Solid to Liquid

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Understanding Changes in States of Matter

Name: _____ Date: _____

Answer the following questions based on what you learned about melting and how heat affects solids.

1. What happens to ice when it sits in a warm room?

- **A.** It stays solid
- **B.** It melts into water
- **C.** It freezes more

2. Heat causes solids to change into ___ when molecules move faster.

3. What did you observe during our ice melting experiment?

4. Match the term to its definition.

Solid	Has a fixed shape
Liquid	Takes the shape of its container

5. Which of these is a solid that can melt?

- **A.** Water
- **B.** Ice
- **C.** Steam

6. When heat is added, molecules in a solid start to move ___ and become a liquid.

7. Why is it important to understand how heat changes states of matter?

8. Adding heat makes molecules move slower in a solid.

◯ True ◯ False

9. What is one example of God's power over temperature mentioned in Psalm 147?

- **A.** He gives snow like wool
- **B.** He makes water freeze
- **C.** He turns ice into snow

10. God designed how everything in creation works, including the change of ___ to liquid.

Answer Key

1. It melts into water 2. liquids 3. I saw the ice change into water as it melted. 4. Has a fixed shape 5. Ice 6. faster 7. It helps us understand how we use materials in our daily lives. 8. False 9. He gives snow like wool 10. solid

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