**States of Matter Post-Quiz - Answer Key**

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| **Questions & Answers** |
| 1. **What is the name that we use to refer to a form of matter, such as solid, liquid, or gas?** 2. conductor 3. solid 4. insulator 5. states of matter |
| 1. A sun and ice cream with a cherry     Description automatically generated**What is a form of energy at work when you place a hot object near a cold object?** 2. heat 3. water 4. gas 5. liquid |
| 1. A yellow bowl with black and red flames     Description automatically generated**Where does thermal energy come from?** 2. sun 3. hot air 4. moving particles 5. fire |
| 1. A person with a mask and a forehead thermometer     Description automatically generated**What is a tool that is used to measure temperature?** 2. barometer 3. thermometer 4. ruler 5. scale |
| 1. **What is the state of matter with definite volume but no definite shape?** 2. A poster of a volume     Description automatically generatedsolid 3. liquid 4. gas 5. heat |
| 1. **What is a state of matter that has a definite shape and a definite volume?** 2. A group of colorful objects     Description automatically generatedsolid 3. liquid 4. gas 5. heat |
| 1. A block with a question mark on it     Description automatically generated**What is a state of matter that has no definite shape or volume?** 2. solid 3. liquid 4. gas 5. heat |
| 1. A group of pink balls     Description automatically generated**What state of matter is pictured here?** 2. plasma 3. liquid 4. gas 5. solid |
| 1. **A group of blue circles and arrows     Description automatically generatedWhat state of matter is pictured here?** 2. solid 3. liquid 4. gas 5. plasma |
| 1. A group of grey balls     Description automatically generated**What state of matter is pictured here?** 2. solid 3. liquid 4. gas 5. plasma |
| 1. A silver robot with wheels     Description automatically generated**Which state of matter can change shape?** 2. solid 3. liquid 4. gas 5. heat |
| 1. A hand holding a question mark     Description automatically generated**What happens when an object gains thermal energy?** 2. It melts. 3. It turns into a gas. 4. It expands. 5. It turns into a solid. |
| 1. **What would happen if you placed a metal spoon in a hot bowl of soup?** 2. The soup would cool off.A bowl of soup with steam and spoon     Description automatically generated 3. The temperature of the spoon would stay the same. 4. The spoon would heat up because it is metal. 5. The soup would cool off and the spoon will keep the same temperature. |
| 1. **What is matter?** 2. Matter is anything that has a weight and takes up space. 3. Matter is something that exists outside of this universe. 4. Matter is something that you cannot see or touch. 5. Matter is something very special. |
| 1. **On a hot day, the sweat on your skin disappears. What is the name of the process**   **that happens to the sweat?**   1. condensation 2. evaporation 3. gasification 4. transformation |