**Heat Transfer Quiz**

**Name: Date:**

1. **Heat always travels from…**
	1. **From cooler objects to warmer objects**
	2. **Convection to Radiation**
	3. **Warmer objects to cooler objects**
	4. **Radiation to Conduction**
2. **(P.3.1.) Why does heat transfer from place to place?**
	1. **Heat is transferring to create the coldest temperature possible in a room**
	2. **Heat transfers to match the dominate temperature of a space**
	3. **Heat really doesn’t transfer**
	4. **Heat transfers to ensure survival of all plants & animals**
3. **(P.3.1.) What is Convection heat transfer?**
	1. **Heat transfer through direct contact using a piece of mental as a conductor**
	2. **Heat transfer in movements of waves or currents through liquids or gasses**
	3. **Heat transfer through electromagnetic wave motion through solids, liquids, or gasses**
	4. **Campfire waves radiating through ashes from the wood creating subtemperanious materials in the Earth’s atmosphere**
4. **(P.3.1.) What is Radiation heat transfer?**
	1. **Heat transfer through direct contact using a piece of metal as a conductor**
	2. **Heat transfer in movements of waves or currents through liquids or gasses**
	3. **Heat transfer through electromagnetic wave motion through solids, liquids, or gasses**
	4. **Campfire waves radiating through ashes from the wood creating subtemperanious materials in the Earth’s atmosphere**
5. **(P.3.1.) What is Conduction heat transfer?**
	1. **Heat transfer through direct contact using a piece of metal as a conductor**
	2. **Heat transfer in movements of waves or currents through liquids or gasses**
	3. **Heat transfer through electromagnet wave motion through solids, liquids or gasses**
	4. **Campfire waves radiating through ashes from the wood creating subtemperanious materials in the Earth’s atmosphere**
6. **(P.2.3.) What is Density?**
	1. **How fast a substance dissolves in liquid**
	2. **How tightly packed together atoms are**
	3. **Temperature at which a substance boils**
	4. **Temperature at which a substance melts**
7. **Water is put into the freezer & the temperature drops. What has happened?**
	1. **The atoms move faster & atoms spread out & Phase has changed into a gas**
	2. **Atoms move slower & atoms spread out & phase changes to a gas**
	3. **Atoms move faster & atoms come together & phase changes to a liquid**
	4. **Atoms move slower & atoms come together in rigid form & phase changes to a solid**
8. **In which situation would atoms move closer together during a phase change?**
	1. **Heat is removed as a gas turns into a liquid**
	2. **Heat is removed as a liquid turns into a gas**
	3. **Heat is added as a solid turns to a gas**
	4. **Heat is added as a liquid turns into a solid**
9. **In which situation is heat taken away in a phase change?**
	1. **Atoms move apart as solids turn to liquids**
	2. **Atoms move apart as liquids turn to gases**
	3. **Atoms move together as gas turns to liquid**
	4. **Atoms move together as liquid turns to gas**
10. **What is happening in this picture?**
	1. **Object is being changed from a gas to a liquid**
	2. **Object is being changed from a solid to a liquid**
	3. **Object is being changed from a liquid to a solid**
	4. **Object is being changed from a gas to a solid**

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