Year 9 Heat Comprehension Quiz Name: ANSWERS

1. Draw an arrow to show how heat travels between the heat source and the objects. State what the method of heat transfer is. (6 points)

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| http://cdn.vectorstock.com/i/composite/39,96/melting-ice-cream-vector-953996.jpg | http://thumb1.shutterstock.com/display_pic_with_logo/776008/108101930/stock-photo-a-marshmallow-browns-himself-against-a-warm-fire-108101930.jpg | http://www.clker.com/cliparts/V/T/1/Q/R/s/boiling-cauldron-hi.png |
| Radiation | Radiation | Convection OR Conduction |

1. What form does radiation travel in? Electromagnetic Waves (2 points)
2. Connect the word on the left to the correct term on the right which describes how radiation interacts with different objects and surfaces. (3 points)

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| Dark |  | Reflected |
| Light |  | Absorbed |
| Clear |  | Transmitted |

1. Which non solid objects can technically conduct heat as well but is very inefficient. Liquids and Gases (2 point)
2. Draw a picture showing how a convection current (sea breeze) occurs between the land and the sea. Label the arrows and objects appropriately. (6 points) (Land, Heat, Cold, Sea = 4 points; Arrows = 2 points)

(4+2+2+3 = 11 points)



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