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| Science Lab ReportA picture containing clock  Description automatically generatedA picture containing plate  Description automatically generated |

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| Experiment: What is a good insulator?  An insulator stops the passage of electricity, heat or sound through an object or substance. |

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| **Materials:** These items are only suggestions; find any items you think could work!  4 jars or bowls you can wrap with some type of material, foil, cloth, newspaper, wrapping paper, wool sock, oven mitt, 4 rubber bands or some kind of tape.  Thermometer (optional) | **Questions to Answer**: For our experiment a good insulator is a type of material which will keep things warmer for a long time.  **Hypothesis:** Which insulator (materials) will make the best insulator? Write your answer below, then you can test your hypothesis.  ­­ |

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| **Steps:**  1.Line up all the jars in a row.  2.Pour the same amount of HOT WATER (**PARENT MUST DO THIS FOR YOU)!** in each jar/bowl.  3.Cover each jar or bowl with a different covering and secure jar/bowl with a rubber band or tape.  4.Let the jars/bowls sit for 30 minutes.  5.Remove all the materials from the jars/bowls.  6.If you have a thermometer measure the temperature in each container.  7.If you don’t have a thermometer, use your fingers to see which one is the warmest.  **Results: Answer the following questions.**  Put your 4 jars in order from warmest to coolest.  Which one stayed warmest the longest?  Was your hypothesis correct?  Which is the best insulator? |