

Stop Heat from Escaping Worksheet

1. Copy the problem question we are working on today.

2. Below are the four types of insulation we are looking at today. Make a prediction. Circle the one you think will keep the most heat from escaping.

Newspaper **Wool** **Aluminum Foil** **Plastic**

3. Fill in the following temperature chart with your observations:

Insulation	Beginning Temperature	subtract	Ending Temperature	equals	Change in Temperature
Newspaper		-		=	
Wool		-		=	
Aluminum Foil		-		=	
Plastic		-		=	

4. Draw a picture of your set-up below. (Draw and label the four bottles.)

5. What happened? Write two sentences for your conclusions.

6. What would you change next time you did this experiment?

7. Why would an *energy engineer* need to know about different insulation?
