

Science 5 Worksheet: Friction and Heat

Name: _____ Grade & Section: _____ Date: _____

Learning Competency: Demonstrate how friction can produce heat and investigate ways of reducing and increasing friction.

Activity: "Feel the Heat!"

Materials:

- Your hands
- Sandpaper
- Smooth cloth
- Toy car or small object

Procedure:

- ☐ Rub your hands together quickly for 15 seconds.
- ☐ Describe what you feel.
- ☐ Move the toy car on a smooth surface.
- ☐ Move the toy car on a rough surface.
- ☐ Observe how friction affects movement.
- ☐ Answer the questions below.

Part A – Observation

Activity	What Happened?	Did Friction Increase or Decrease?
Rubbing hands together		
Toy car on smooth surface		
Toy car on rough surface		

Part B – Guide Questions

1. What did you feel after rubbing your hands together?

2. Which surface created more friction?

3. How does friction produce heat?

4. How can friction be reduced?

5. Why is friction important in daily life?

Part C – Reflection

What did you learn about friction and heat from this activity?
