



# GRAPHIC ORGANIZER





Name: .....

Date: .....

SCIENCE &gt; SCIENTIFIC INQUIRY &gt; SCIENTIFIC METHOD

## FLOW CHART

Most of us use a loose form of the scientific method to solve everyday problems. For each of the problems and observations below, develop a hypothesis to explain what's happening. Then describe how you might test your theory with a simple experiment.

 <b>PROBLEM</b>	 <b>OBSERVATION</b>	 <b>HYPOTHESIS</b>	 <b>EXPERIMENT</b>
Your cat rejects a can of tuna cat food.	She ate the can of chicken flavored food you fed her last night, and the beef food from the night before.	..... ..... ..... ..... .....	..... ..... ..... ..... .....
Your bedroom air conditioner blows very cold air at night, but only cool air during the day.	Your bedroom gets lots of direct sunlight all day long.	..... ..... ..... ..... .....	..... ..... ..... ..... .....
You're talking on your cell phone in your bedroom, when suddenly the reception goes bad for a minute.	Just before the reception clears up, you hear the microwave beep in the kitchen.	..... ..... ..... ..... .....	..... ..... ..... ..... .....



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 PROBLEM	 OBSERVATION	 HYPOTHESIS	 EXPERIMENT
Your cat rejects a can of tuna cat food.	She ate the can of chicken flavored food you fed her last night, and the beef food from the night before.	<i>If I try to feed the cat Beef or chicken</i> <i>Then the cat will NOT pick Tuna</i> <i>B/c it did not eat it today.</i>	<i>Put 1 can Tuna, 1 can Beef on the floor and see what can the cat goes to</i>
Your bedroom air conditioner blows very cold air at night, but only cool air during the day.	Your bedroom gets lots of direct sunlight all day long.	<i>If I put shades on my window</i> <i>Then the A/C will blow cold air during day</i> <i>B/c Block warm sun</i>	<i>Put shade on window. Turn on A/C → Take thermometer and measure temp in day and at night. Does it change much.</i>
You're talking on your cell phone in your bedroom, when suddenly the reception goes bad for a minute.	Just before the reception clears up, you hear the microwave beep in the kitchen.	<i>If I use my phone while the microwave is on</i> <i>Then I would have poor service on my phone</i> <i>B/c after the beep the phone worked</i>	<i>Use his phone, turn on Micro, Wait for beep see if service returns. Repeat.</i>