



*Science Appetizers  
Serving Grade 5*



TM

# *The Science Buffet*<sup>TM</sup>

*Gourmet Curriculum on a Fast Food Budget*<sup>TM</sup>

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## *5th Grade Science Appetizers*

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5.3 B Scientific Processes: Draw Inferences

Beasty O's	
amt/serving cereal	3/4 cup
Calories	120
% Daily Value	
Total fat (1.5 g)	2%
Cholesterol (10 mg)	0%
Sodium (160 mg)	7%
Potassium (55 mg)	2%
Total Carbohydrates (25 mg)	8%
Fiber (1 g)	4%
Protein (2 g)	

Special J	
amt/serving cereal	3/4 cup
Calories	90
% Daily Value	
Total fat (1 g)	2%
Cholesterol (0 g)	0%
Sodium (70 mg)	3%
Potassium (120 mg)	3%
Total Carbohydrates (24 g)	8%
Fiber (7 g)	
Protein (3 g)	?%

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5.3 B Scientific Processes: Draw Inferences

Tomás noticed that the cereal Special J did not state the percentage for daily value in fiber. What would be the percentage of daily value of fiber found in a serving of this cereal?

- A 4%
- B 7%
- C 21%
- D 28%

5.3 B Scientific Processes: Draw Inferences

What conclusion could Tomás make from the two cereal boxes?

- F They have the same daily value of protein.
- G They are equal in three categories of the percentage for recommended daily value.
- H They have the same daily value of sodium.
- J Beasty O's is more healthy than Special J.



*5.5 A Science Concepts: Simple Systems*

*Characteristics of Front While Passing*

	<u>cold front</u>	<u>warm front</u>
<i>winds</i>	gusty, shifting	variable
<i>temperature</i>	sudden drop	steady rise
<i>pressure</i>	sharp rise	falling
<i>clouds</i>	increasing cumulus and cumulonimbus	cirrus, cumulostratus, nimbostratus
<i>precipitation</i>	short showers	light to moderate rain
	<u>stationary front</u>	<u>occluded front</u>
<i>winds</i>	shifting on either side	variable
<i>temperature</i>	warm on one side, cool on other	dropping or rising slowly
<i>pressure</i>	rising on one side, lower on other	very low
<i>clouds</i>	stratus	towering cumulus, cumulus
<i>precipitation</i>	heavy rains possible	light, moderate, or heavy

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*5.5 A Science Concepts: Simple Systems*

Which front would have a shift when crossing from one side to another?

- A warm
- B cold
- C stationary
- D occluded

*5.5 A Science Concepts: Simple Systems*

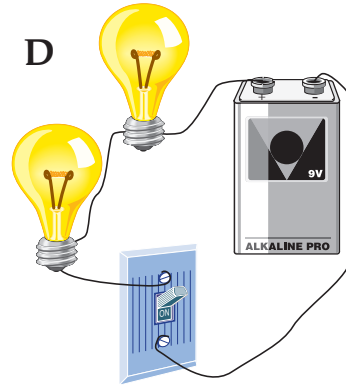
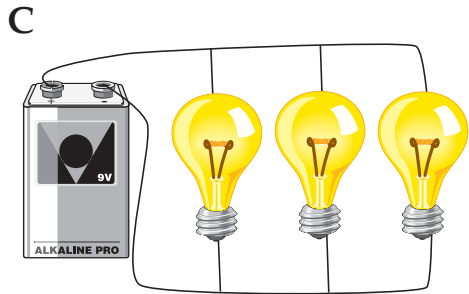
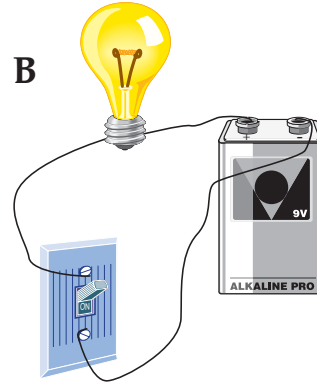
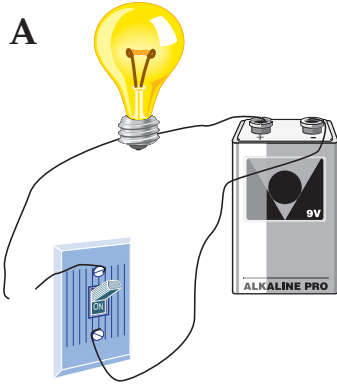
Which front has a sudden drop in temperature as it passes?

- F warm
- G cold
- H stationary
- J occluded



5.8 C Science Concepts: Electricity

Circuits



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5.8 C Science Concepts: Electricity

Which circuit is not complete?

- A A
- B B
- C C
- D D

Which circuit would be complete even if one bulb burned out?

- F A
- G B
- H C
- J D



*5.11 C Science Concepts: Renewable Resources*

*Amount of Electricity Generated From Various Sources*

<i>Source</i>	<i>Electricity generated in kilowatt hours</i>
hydroelectric	288
geothermal	15
solid waste	10
biomass	31
solar	1
wind	2
fossil fuel	2,098
nuclear	577

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*5.11 C Science Concepts: Renewable Resources*

Which type of resource is used to generate the most kilowatt hours?

- A renewable resources
- B nonrenewable resources
- C both are equally used
- D all of these are renewable

*5.11 C Science Concepts: Renewable Resources*

What conclusion can be made from the chart?

- F We will run out of fossil fuels in 10 years.
- G Solar is the most expensive fuel.
- H Fossil fuels are the easiest to use.
- J We use four times more fossil fuel than nuclear.