

Making Sound

All of the objects listed below make sounds. Put an X next to the objects you think involve vibrations in producing sound.

guitar stringsdrumdripping faucetbarking dogpiano		
screeching brakes	·	
radio speaker	drum	
crumpled paper	wind	hammer
car engine	wood saw	flute
chirping cricket	clapped hands	thunderstorm
singer	bubbling water	two stones rubbed together
popped balloon	rustling leaves	snapped fingers
Explain your thinking. involve vibrations in pro	What "rule" or reasoning oducing sound?	did you use to decide which objects
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Can It Reflect Light?

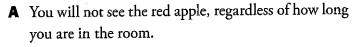
ou think can reflect		
water		
gray rock		
leaf		8
mirror	dull metal	
glass	red apple	
sand	rough cardboard	
potato skin	the Moon	milk
wax paper	rusty nail	bedsheet
tomato soup	clouds	brand new penny
crumpled paper	soil	old tarnished penny
shiny metal xplain your thinking	wood g. Describe the "rule" or th	smooth sheet of aluminum foil
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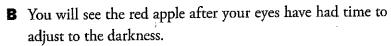


Apple in the Dark

Imagine you are sitting at a table with a red apple in front of you. Your friend closes the door and turns off all the lights. It is totally dark in the room. There are no windows in the room or cracks around the door. No light can enter the room.

Circle the statement you believe best describes how you would see the apple in the dark:





- **C** You will see the apple after your eyes have had time to adjust to the darkness, but you will not see the red color.
- **D** You will see only the shadow of the apple after your eyes have had time to adjust to the darkness.
- You will see only a faint outline of the apple after your eyes have had time to adjust to the darkness.

Describe your thinking. Pr	rovide an explanation fo	or your answer.	
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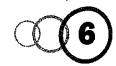
Birthday Candles

Imagine you are at a birthday party. A birthday cake with candles is put on a table in the middle of a room. The room is very large. You are standing at the end of the room, 10 meters away from the cake. You can see the candles. Circle the reponse that best describes how far the light from the candles traveled in order for you to see the flames.

- A The light stays on the candle flames.
- **B** The light travels a few centimeters from the candle flames.
- **C** The light travels about 1 meter.
- **D** The light travels about halfway to where you are standing.
- **E** The light travels all the way to where you are standing.



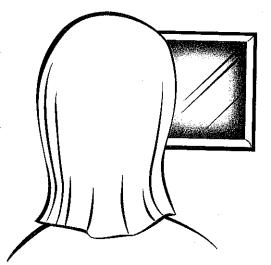
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Mirror on the Wall

Adrienne placed a small, flat mirror flat against a wall. Standing close to the mirror, Adrienne could see her face from her eyebrows to her chin. Adrienne backed up five steps away from the mirror. Adrienne is now farther away from the mirror. How much of her face will Adrienne see in the mirror this time?

- A She will see more of her face.
- **B** She will see less of her face.
- **C** She will see the same amount of her face.



		 	
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