

# How Musical Instruments Work

Name \_\_\_\_\_

Before you read each chapter, jot down what you already know. After reading, add notes about the new things you have learned. As you read each section, write any new words and their meanings at the bottom.

I already know ...	I have learned ...
How sound works	How sound works
How stringed instruments work	How stringed instruments work
How wind instruments work	How wind instruments work
How percussion instruments work	How percussion instruments work

New words and their meanings



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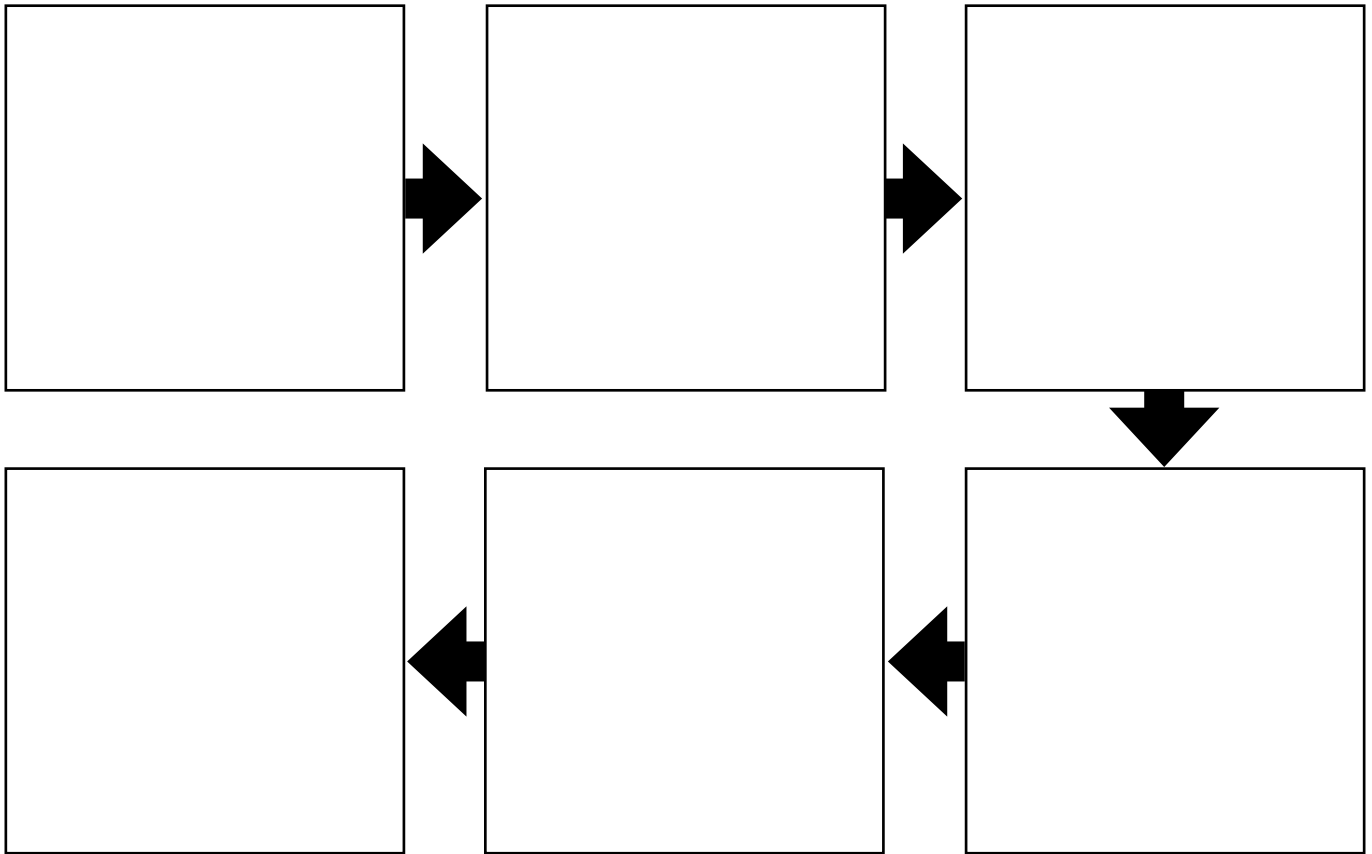


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Name \_\_\_\_\_

Multiple Intelligences (naturalist, visual-spatial)

Think of how you would make a drum using all natural materials. Use the book to check the features of a drum. Draw each step in order.



Materials I used:

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How I made it:

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Name \_\_\_\_\_

Which stringed, wind, and percussion instrument do you think looks the most fun or interesting to play? Draw the instrument and explain why you think it looks the most fun or interesting.

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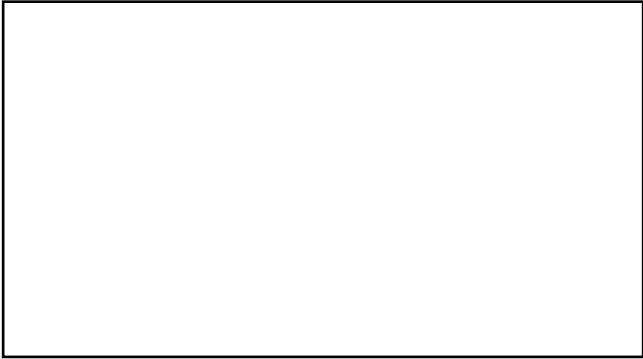
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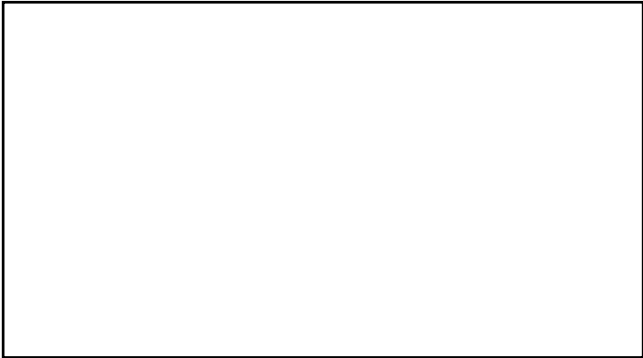
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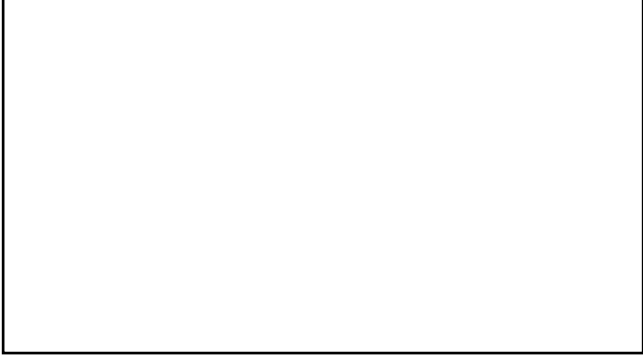
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Name \_\_\_\_\_

Use the words in the box to help you fill in the missing words. Use your book to check.

sounds	wind	mouthpiece	sound	vibration	pitch	Hertz
frequency	tones	string	percussion	vibration	struck	wind

1. Musical instruments work in different ways to produce \_\_\_\_\_ .
2. The basic groups are \_\_\_\_\_ , \_\_\_\_\_ , and \_\_\_\_\_ .
3. Wind instruments require the movement of air into or over a \_\_\_\_\_ to make them work.
4. Musical instruments make sounds called \_\_\_\_\_ .
5. To understand how musical instruments work, you need to know how \_\_\_\_\_ works.
6. Sound works by \_\_\_\_\_ .
7. To hear a sound, it must be within a certain range of \_\_\_\_\_ .
8. The \_\_\_\_\_ number means the number of vibrations of the sound per second.
9. How quickly the vibration takes place makes the \_\_\_\_\_ .
10. Percussion instruments work when \_\_\_\_\_ .
11. Stringed instruments work by \_\_\_\_\_ .
12. Movement of air is how \_\_\_\_\_ instruments work.

Circle the syllables in these words:

lute

guitar

violin

trumpet

sitar

banjo

harp

bassoon

clarinet

bugle

organ

didgeridoo

tambourine

bell

drum

glockenspiel



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Use the book to check what type of instrument each of these is, and how sound is produced. Complete the table.

Instrument	Type of Instrument	How Sound is Produced
<i>Drum</i>	<i>percussion</i>	<i>striking</i>
Banjo		
Bassoon		
Bell		
Bugle		
Bull-roarer		
Didgeridoo		
Electric guitar		
Flute		
French horn		
Glockenspiel		
Harp		
Lute		
Organ		
Saxophone		
Sitar		
Tambourine		
Triangle		
Trumpet		
Violin		
Whistle		
Xylophone		



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# How Musical Instruments Work

Name \_\_\_\_\_

Sometimes an explanation is easy to give, and other times it is tricky. Finding the right words to make your information clear is important. Write a clear explanation of how to do these things.

Wash your hair

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Tie up shoelaces

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