

Name:

Grade:

Section:



# WORD SEARCH

Search for the physics terms in the word bank and encircle them.

I	G	L	T	A	A	E	R	I	N	L	E	S	K	M
T	R	H	T	R	U	L	O	N	E	W	T	O	N	A
H	A	U	A	C	T	O	B	R	C	I	Y	L	U	G
C	V	R	E	S	I	S	T	A	N	C	E	I	G	N
C	I	C	Y	O	Q	K	L	T	I	V	R	R	W	I
M	T	A	M	O	M	E	N	T	U	M	Z	E	G	T
Y	Y	O	N	L	N	T	A	E	C	R	O	F	P	U
O	Q	S	A	C	E	L	U	M	Y	T	F	L	H	D
M	H	F	R	I	C	T	I	O	N	C	Y	E	J	E
P	A	N	G	M	F	D	E	M	M	G	K	X	R	O
C	V	S	E	T	N	R	U	N	F	T	W	D	Y	D
C	R	Z	S	E	M	L	J	C	S	N	L	S	N	M
F	A	C	C	E	L	E	R	A	T	I	O	N	Q	O
F	F	C	T	S	G	U	R	E	T	E	O	S	N	H
V	H	A	B	O	S	C	M	E	S	R	W	N	X	I

- |              |           |          |            |
|--------------|-----------|----------|------------|
| FORCE        | GRAVITY   | TENSION  | FRICION    |
| ACCELERATION | MAGNITUDE | MOMENTUM | RESISTANCE |
|              | NEWTON    | MASS     |            |

Name: \_\_\_\_\_

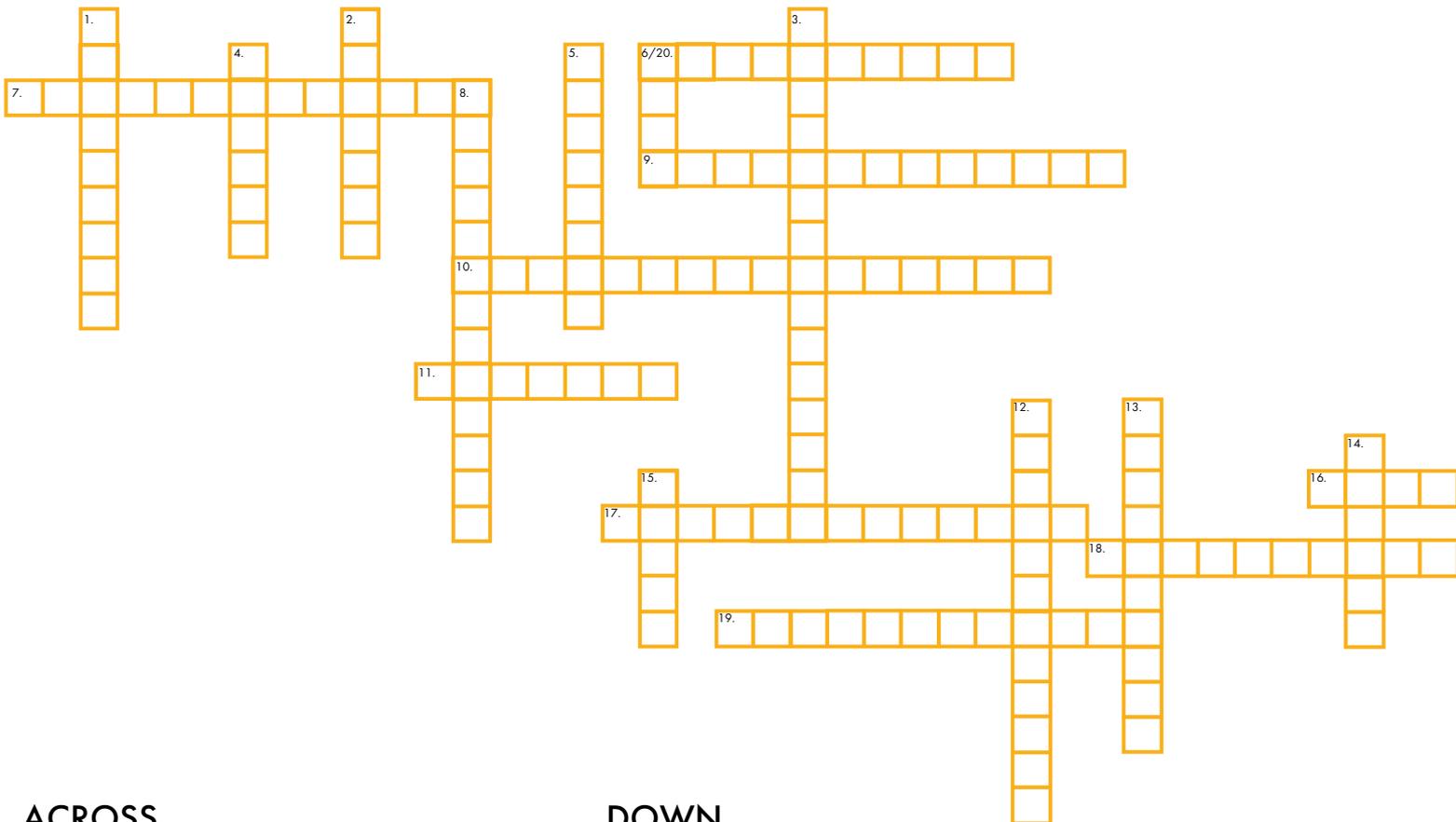
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# CROSSWORD

Use the hints to fill in this crossword with wonderful stuff we learned throughout the season.



**ACROSS**

- 7 The ability of waves to combine
- 9 The energy of motion
- 10 This is equal to the angle of reflection
- 11 Measure of disorder
- 16 The flow of thermal energy
- 17 Current moving in one direction
- 18 Electromagnetic waves with the longest wavelength and lowest frequency
- 19 The speed limit of the universe
- 20 The length of one wave cycle

**DOWN**

- 1 The height of a wave's crest
- 2 "Opposite charges \_\_\_\_"
- 3 A path through which a current can flow in a loop
- 4 Devices that can convert electrical energy to kinetic energy
- 5 The movement of an object under the influence of gravity
- 6 Produced when a force moves an object
- 8 This type of energy is stored in the nuclei at the center of atoms
- 12 Moving large amounts of electric power over long distances
- 13 Bending of light due to change in its speed
- 14 The SI unit for absolute temperature
- 15 The highness or lowness of sound

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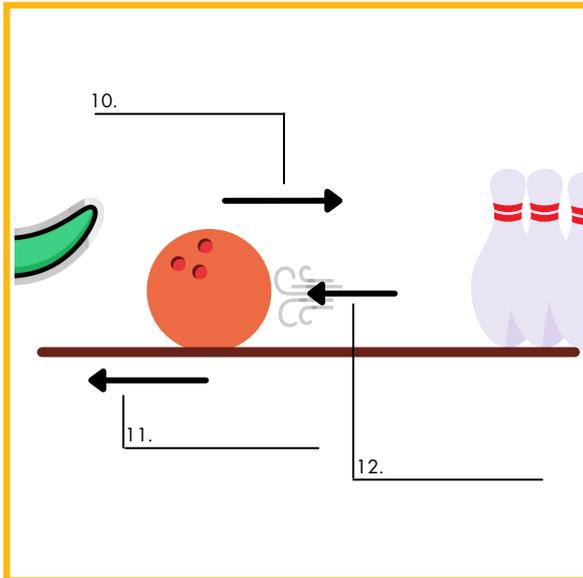
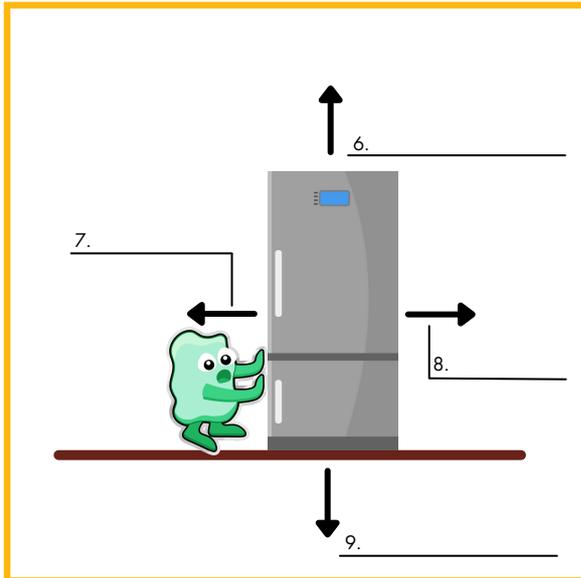
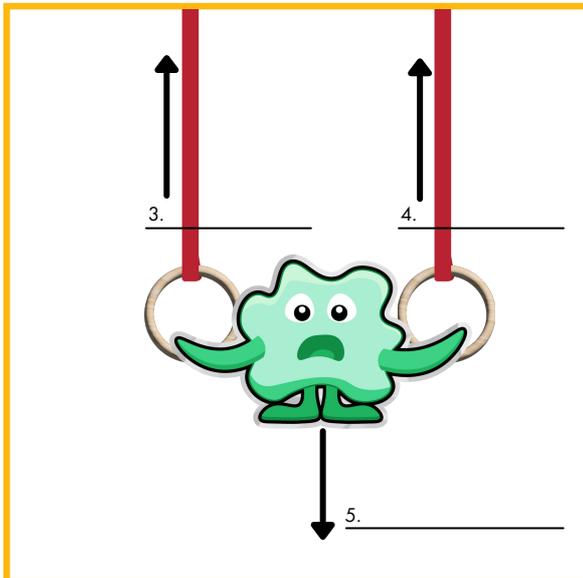
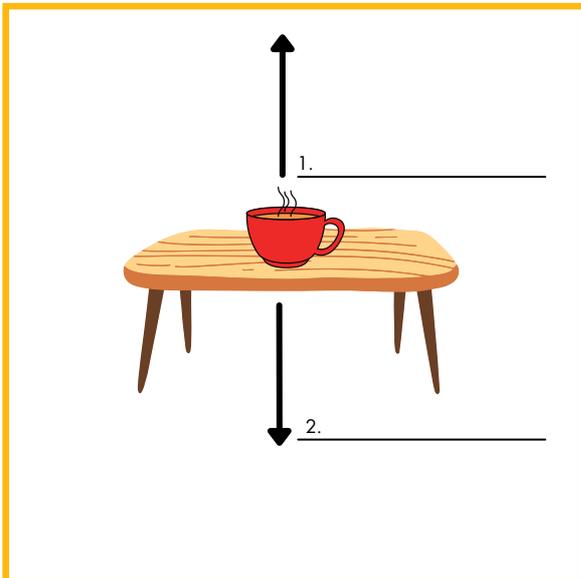
Grade: \_\_\_\_\_

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# GUESS THE FORCE

Identify the forces acting on the objects in each scenario. Choose the appropriate force from the word bank below and write it down by the corresponding arrow.



- |                |               |
|----------------|---------------|
| tension        | normal force  |
| air resistance | gravity       |
| friction       | applied force |

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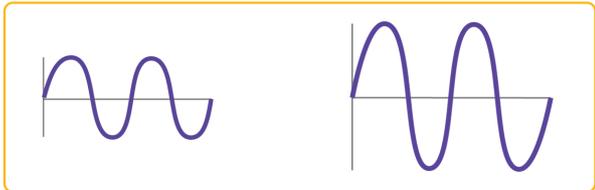
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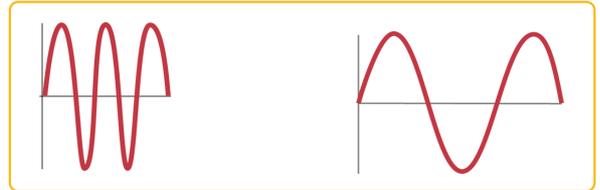
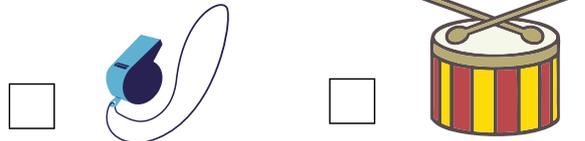
# SONIC SHOWDOWN

Compare the sound waves of each object and put a check mark beside the one that satisfies each statement.

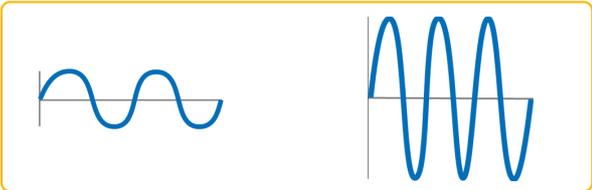
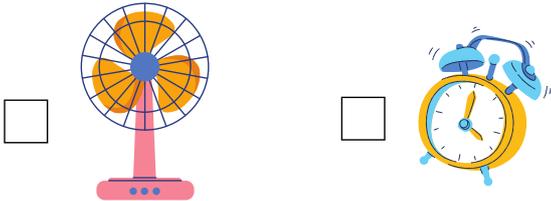
Choose the bird that makes the louder sound.



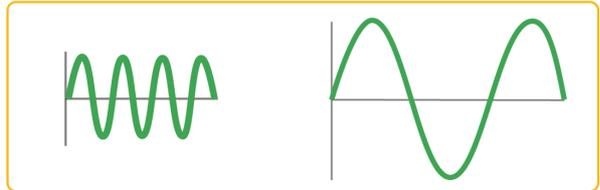
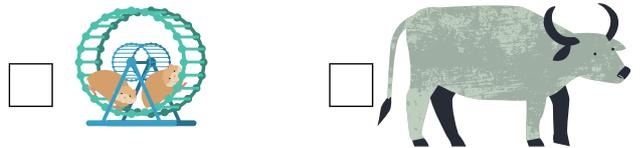
Choose the instrument that produces the sound with a higher pitch.



Choose the object that produces the softer sound.



Choose the animal that makes the sound with a lower pitch.



Which among all the objects makes a soft but high-pitched sound? \_\_\_\_\_

Among those that produce a loud sound, which object/s has the lowest pitch? \_\_\_\_\_