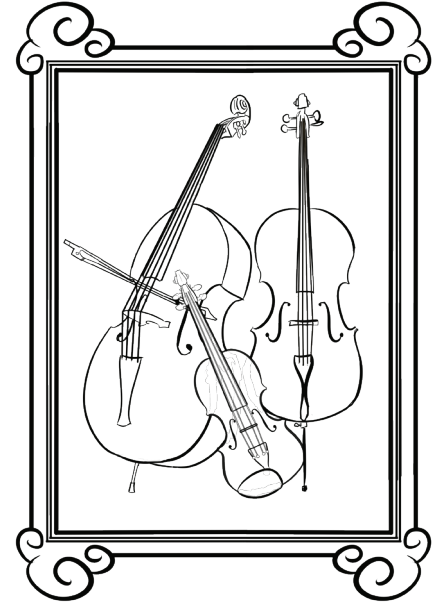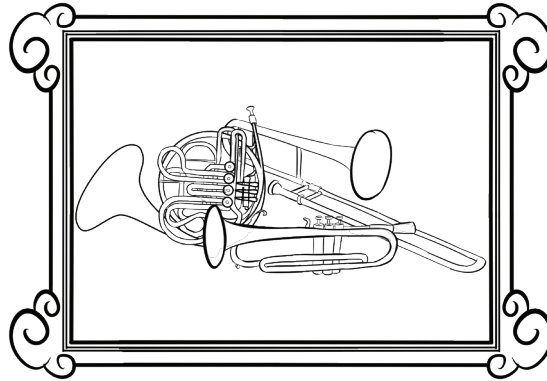Name: _____

Sound Science

In the pictures above, color the brass instruments yellow, the woodwind instruments blue, and the string instruments red.

Then find all the instrument names in the word search. Circle the brass instruments with yellow, the woodwind instruments with blue, and the string instruments with red.

BASS
BASSOON
CELLO
CLARINET
FLUTE
FRENCH HORN

OBOE
TROMBONE
TRUMPET
TUBA
VIOLA
VIOLIN

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

Vibrations create sound.

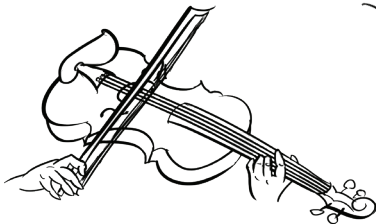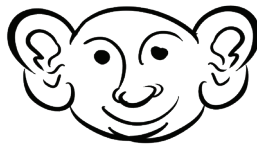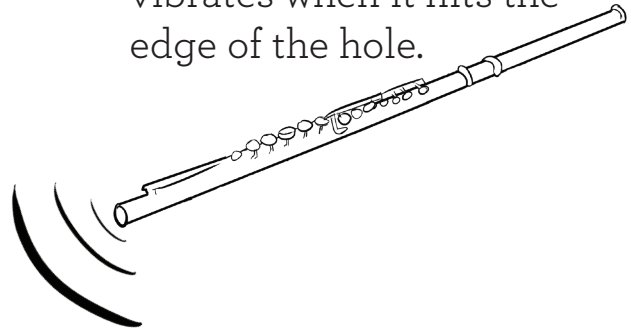*Fill in the blanks with words from this word bank:*

The musician's _____ vibrate.
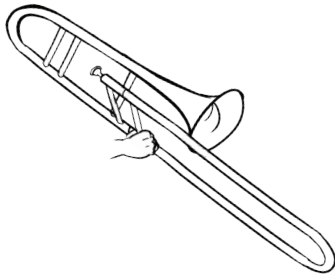
The _____ vibrates when it hits the edge of the hole.
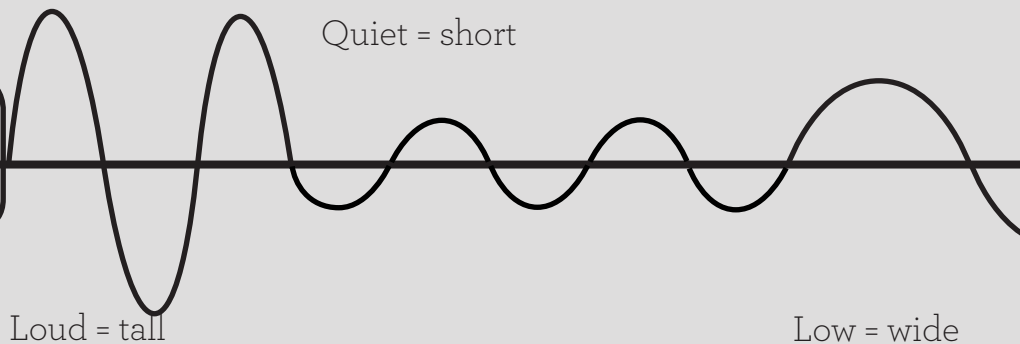
The _____ vibrate when plucked or bowed.
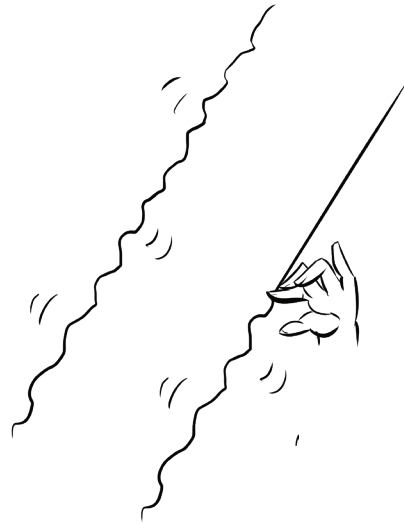
The _____ vibrates when air passes by it.

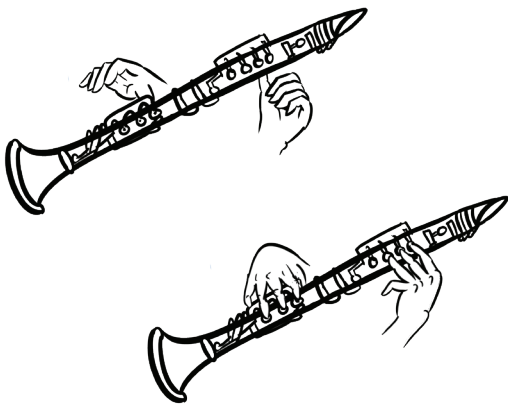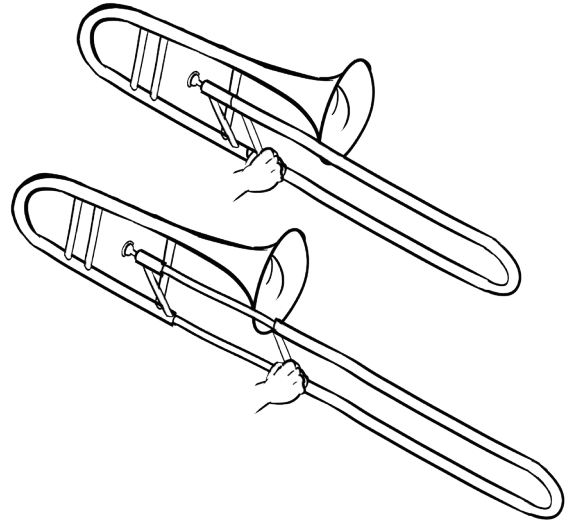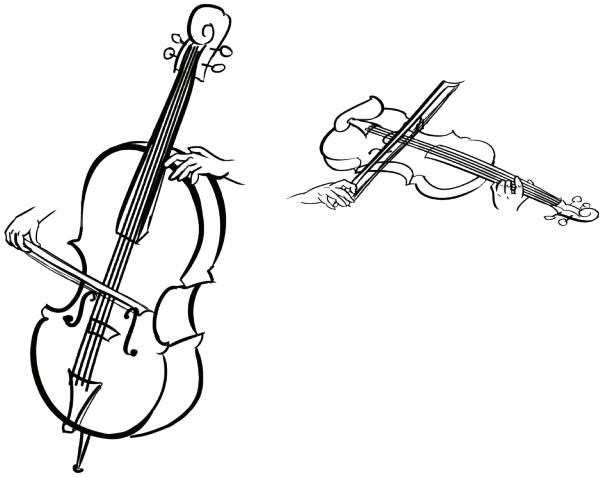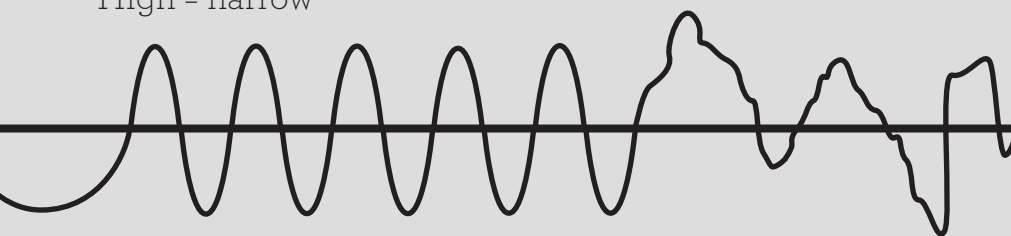Sound waves illustrate if a sound is high or low and loud or soft.

Quiet = short

Loud = tall

Low = wide

Big things produce low sounds.
Small things produce high sounds.

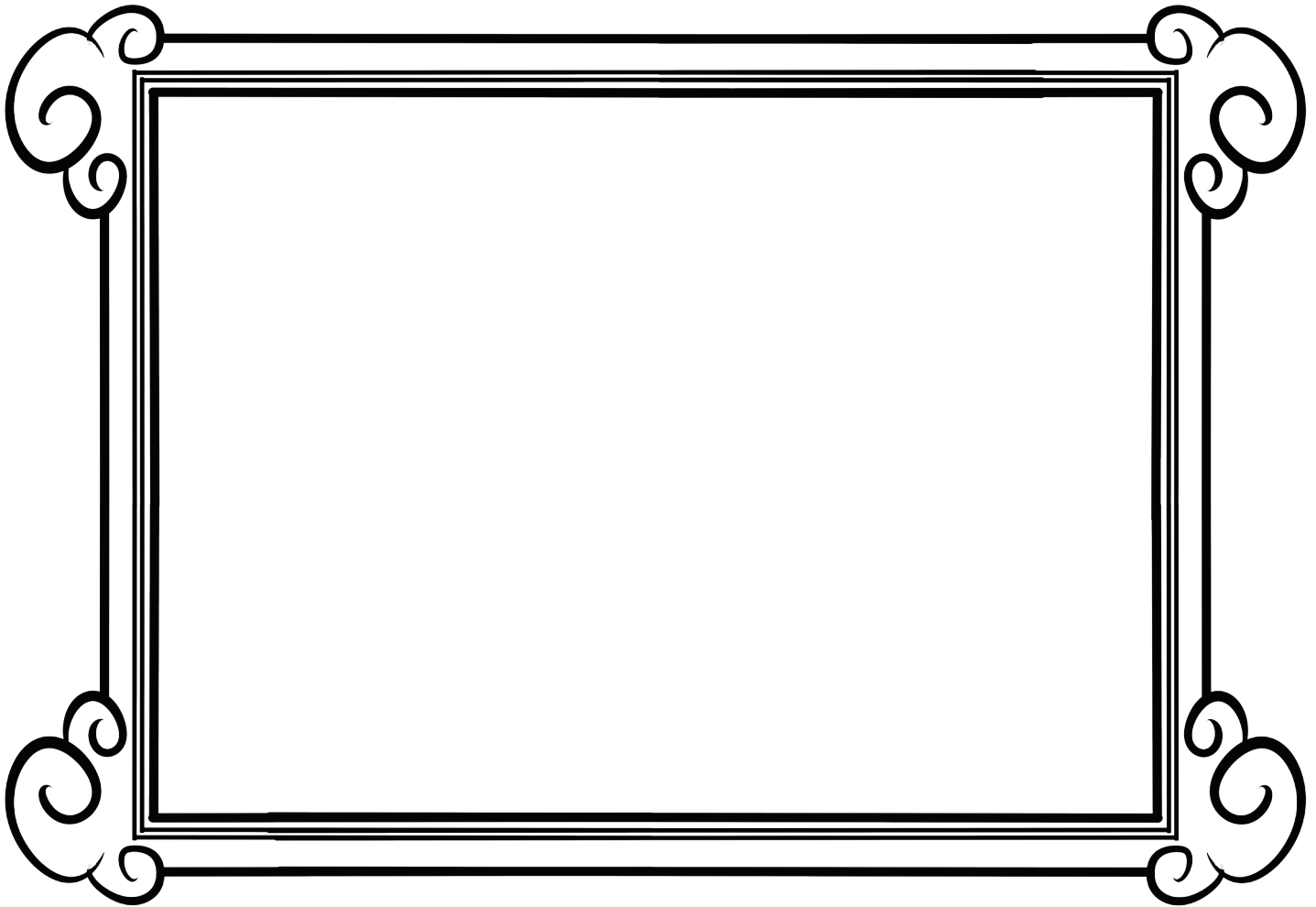*For each pair of pictures, circle the thing that makes the lower sound:*

High = narrow

Musical waves have repeating patterns. Noise waves are random, with no clear pattern.

Noise = random

Draw a picture of yourself playing your favorite instrument.

What instrument do you like the best? _____

What family does it belong to? _____

What vibrates to make it sound? _____

Draw what you think its sound waves look like when you play it: