

## *Music lessons improve the mind*

### *Word list*

#### *cognitive*

of, relating to, or involving conscious mental activities (such as thinking, understanding, learning, and remembering)

- *cognitive* development/psychology/impairment

#### *brain*

**1** : the organ of the body in the head that controls functions, movements, sensations, and thoughts

- Scientists are learning more about how the human *brain* works. ▪ The left and right sides of the *brain* have different functions.

#### *auditory*

relating to hearing or the ears

- The patient has damage to the *auditory* nerve.

#### *tone*

a sound of a particular pitch and vibration

- the different *tones* [=notes] of a musical scale

#### *capacity*

the ability to do something : a mental, emotional, or physical ability [*noncount*]

- Some species of birds do not have the *capacity* [=ability] to fly

#### *correlate*

to have a close connection with something : to have a correlation to something

◇If two things *correlate*, a change in one thing results in a similar or an opposite change in the other thing.

#### *harmony*

the combination of different musical notes played or sung at the same time to produce a pleasing sound

- She taught him how to sing *harmony*. [=how to sing notes that combined with other notes in a pleasing way] — often used after *in* ▪ She taught him to sing *in harmony*. ▪ They sang *in perfect harmony*. ▪ a song with complicated *harmonies* and rhythms

## *rhythm*

a regular, repeated pattern of sounds or movements

▪ The music has a fast/slow/steady *rhythm*. [=beat] ▪ African/Caribbean *rhythms* — often + *of* ▪ the *rhythm* of the poetry ▪ the *rhythm* of his breathing ▪ the *rhythm* of the tides [*noncount*] ▪ the composer's use of jazz *rhythm* ▪ He can't play/dance **in rhythm**. = He has no **sense of rhythm**. [=he cannot play/dance at the correct speed to stay with the rhythm of the music]

## *neuroscience*

the scientific study of nerves and especially of how nerves affect learning and behavior

### PICTURE DICTIONARY: MUSICAL INSTRUMENTS

#### A. Strings



1. violin
2. viola
3. cello
4. bass

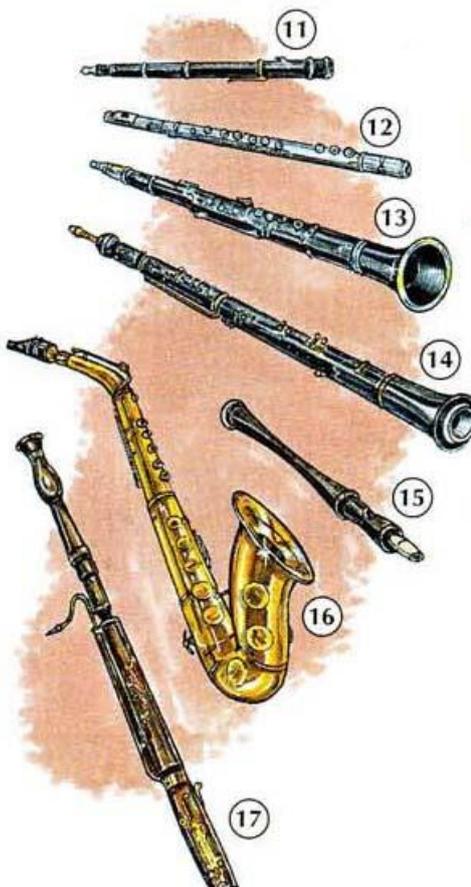


5. (acoustic) guitar
6. ukulele
7. electric guitar
8. banjo
9. mandolin

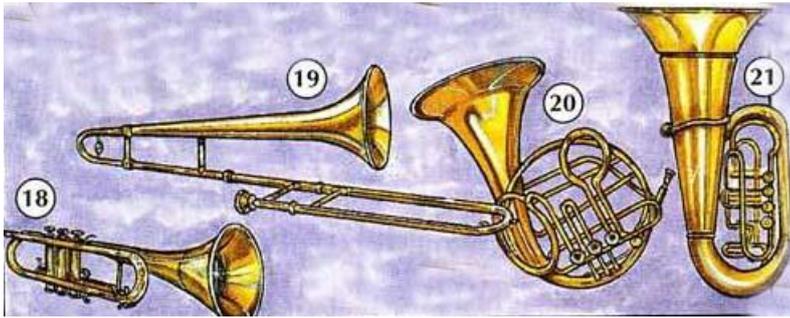


10. harp

## B. Woodwinds



- 11. piccolo
- 12. flute
- 13. clarinet
- 14. oboe
- 15. recorder
- 16. saxophone
- 17. bassoon



- 18. trumpet
- 19. trombone
- 20. French horn
- 21. tuba