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## 2.2 Screams Worksheet

Utah State University

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## Video – Screams

*A. Listen to the Health Report and take notes below.*

*Use your notes to answer questions B and C below.*

*B. Mark below statements as true or false. If they are true, write T. If they are false, write F and correct the answer.*

1. \_\_\_\_\_ When people hear a scream they usually respond slowly.
2. \_\_\_\_\_ Why are screams so useless in warning us of danger?
3. \_\_\_\_\_ David Poeppel is a neuroscientist at New York University.
4. \_\_\_\_\_ David Poeppel and his colleagues recorded screams from movies and from volunteers.
5. \_\_\_\_\_ The scientists observed how quickly the sounds in the scream change in volume.
6. \_\_\_\_\_ Sounds are described in terms of their frequency.
7. \_\_\_\_\_ Frequency is helped in hertz (Hz).
8. \_\_\_\_\_ Screams, it turns out, are a direct link to the part of our brain that tells us if we should be afraid, or not.

*C. Choose the best answer for each sentence from the multiple choices below.*

1. People of all cultures and languages hear the same thing in a scream: \_\_\_\_\_.
  - a. noise
  - b. fear
  - c. loud
  - d. afraid
2. David Poeppel wondered why \_\_\_\_\_ are recognized in the same way by people all around the world.

- a. voices
  - b. loud
  - c. screams
  - d. shouts
3. Dr. Poeple and his colleagues found that screams and other kinds of sounds are \_\_\_\_\_.
- a. different
  - b. same
  - c. louder
  - d. quieter
4. Normal speech changes in volume at a low rate – about \_\_\_\_\_ Hertz or cycles per second.
- a. 4 to 5
  - b. 14 to 15
  - c. 14 to 50
  - d. 15 to 50
5. Screams, however, change in volume very quickly and very widely, from \_\_\_\_\_ Hertz.
- a. 3 to 100
  - b. 13 to 150
  - c. 30 to 100
  - d. 30 to 150

6. When the volume of a sound changes that quickly, it has a \_\_\_\_\_ called "roughness."

- a. level
- b. data
- c. characteristic
- d. sound

7. The more "roughness" a sound has, the more \_\_\_\_\_ it is.

- a. worrying
- b. happy
- c. sad
- d. loud

*Listen to the Health Report again to check your answers.*