



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 21.11.20

Duration: 40 min

Worksheet Solutions 05

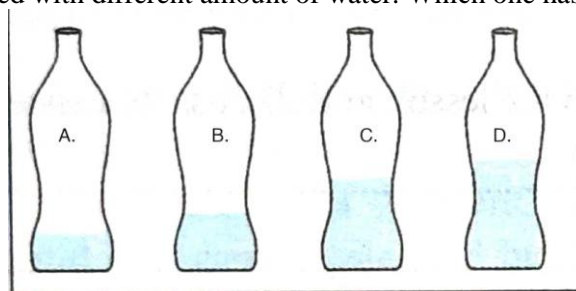
Full Marks: 15

SOUND

Choose the Correct options:

1. Classify veena as
 - a. **Stringed instrument**
 - b. Wind instrument
 - c. Percussion instrument
 - d. None of these
2. Classify flute as
 - a. Stringed instrument
 - b. **Wind instrument**
 - c. Percussion instrument
 - d. None of these
3. Classify violin as
 - a. **Stringed instrument**
 - b. Wind instrument
 - c. Percussion instrument
 - d. None of these
4. Classify tabla as
 - a. Stringed instrument
 - b. Wind instrument
 - c. **Percussion instrument**
 - d. None of these
5. Classify guitar as
 - a. **Stringed instrument**
 - b. Wind instrument
 - c. Percussion instrument
 - d. None of these
6. Classify bugle as
 - a. Stringed instrument
 - b. **Wind instrument**
 - c. Percussion instrument
 - d. None of these
7. Classify drums as
 - a. Stringed instrument
 - b. Wind instrument
 - c. **Percussion instrument**
 - d. None of these
8. In two stringed instruments A and B the length of the metallic string A is longer than the length of the metallic string B. Choose the correct alternative.
 - a. **Pitch of sound emitted by B is more than pitch of sound emitted by A**
 - b. Pitch of sound emitted by A is more than pitch of sound emitted by B
 - c. Pitch of sound emitted by A is equal to the pitch of sound emitted by B

- d. There is no relationship between the two sounds
9. In two stringed instruments A and B the thickness of the metallic string A is greater than the thickness of the metallic string B. Choose the correct alternative.
- Pitch of sound emitted by B is more than pitch of sound emitted by A**
 - Pitch of sound emitted by A is more than pitch of sound emitted by B
 - Pitch of sound emitted by A is equal to the pitch of sound emitted by B
 - There is no relationship between the two sounds
10. In two stringed instruments A and B the metallic string A is wound tighter than the metallic string B. Choose the correct alternative.
- Pitch of sound emitted by B is more than pitch of sound emitted by A
 - Pitch of sound emitted by A is more than pitch of sound emitted by B**
 - Pitch of sound emitted by A is equal to the pitch of sound emitted by B
 - There is no relationship between the two sounds
11. In two organ pipes A and B the length of the air column A is longer than the length of the air column B. Choose the correct alternative.
- Pitch of sound emitted by B is more than pitch of sound emitted by A**
 - Pitch of sound emitted by A is more than pitch of sound emitted by B
 - Pitch of sound emitted by A is equal to the pitch of sound emitted by B
 - There is no relationship between the two sounds
12. In two percussion instruments A and B the area of the vibrating membrane of A is larger than the area of the vibrating membrane B. Choose the correct alternative.
- Pitch of sound emitted by B is more than pitch of sound emitted by A**
 - Pitch of sound emitted by A is more than pitch of sound emitted by B
 - Pitch of sound emitted by A is equal to the pitch of sound emitted by B
 - There is no relationship between the two sounds
13. In two percussion instruments A and B the area of the vibrating membrane of A is wrapped tighter than the area of the vibrating membrane B. Choose the correct alternative.
- Pitch of sound emitted by B is more than pitch of sound emitted by A
 - Pitch of sound emitted by A is more than pitch of sound emitted by B**
 - Pitch of sound emitted by A is equal to the pitch of sound emitted by B
 - There is no relationship between the two sounds
14. Four bottles are filled with different amount of water. Which one has the highest pitch?



- A
 - B
 - C
 - D**
15. A rubber band is broken to form a long string. One end of it is fixed at a point. The rubber band is extended using the left hand while being plucked with the right hand. As it is stretched more and more the frequency of sound

- a. **Increases**
- b. Decreases
- c. Remains the same
- d. None of these.