

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

## EXERCISE TO PREPARE THE EXAM

### **YOU CAN OPEN YOUR BOOK OR SEARCHING**

1. Copy and complete these sentences. Use these words:

Decrease

Increase

Into

Out of

When we breathe in, the muscles in the diaphragm and between the ribs \_\_\_\_\_ the volume of the chest. This makes air move \_\_\_\_\_ the lungs. When we breathe out, the muscles in the diaphragm and between the ribs \_\_\_\_\_ the volume of the chest. This makes air move the \_\_\_\_\_ lungs.

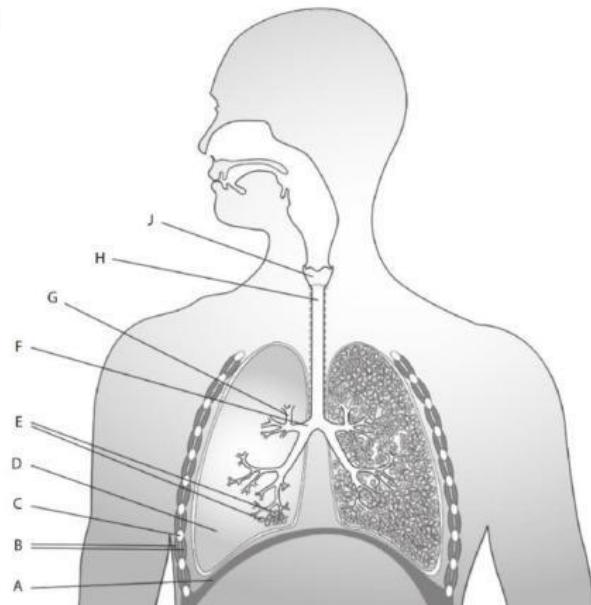
2. The diagram shows the human respiratory system. complete the label by naming each of the parts shown on the diagram. Choose from these names.

Air sacs      Bronchiole      Bronchus      Diagram

Lung      Larynx (Voice Box)      Rib

Trachea      Intercostal muscle

| Letter | Name |
|--------|------|
| A      |      |
| B      |      |
| C      |      |
| D      |      |
| E      |      |
| F      |      |
| G      |      |
| H      |      |



3. Shofia and Zara fill the bottle with water. They turn the bottle upside down, with its open top in a large container of water. Marcus plays a wind instrument. The girls ask Marcus to blow into the bottle as hard as he can. They use a scale to record how much water Marcus can push out of the bottle. They then test eight more musicians

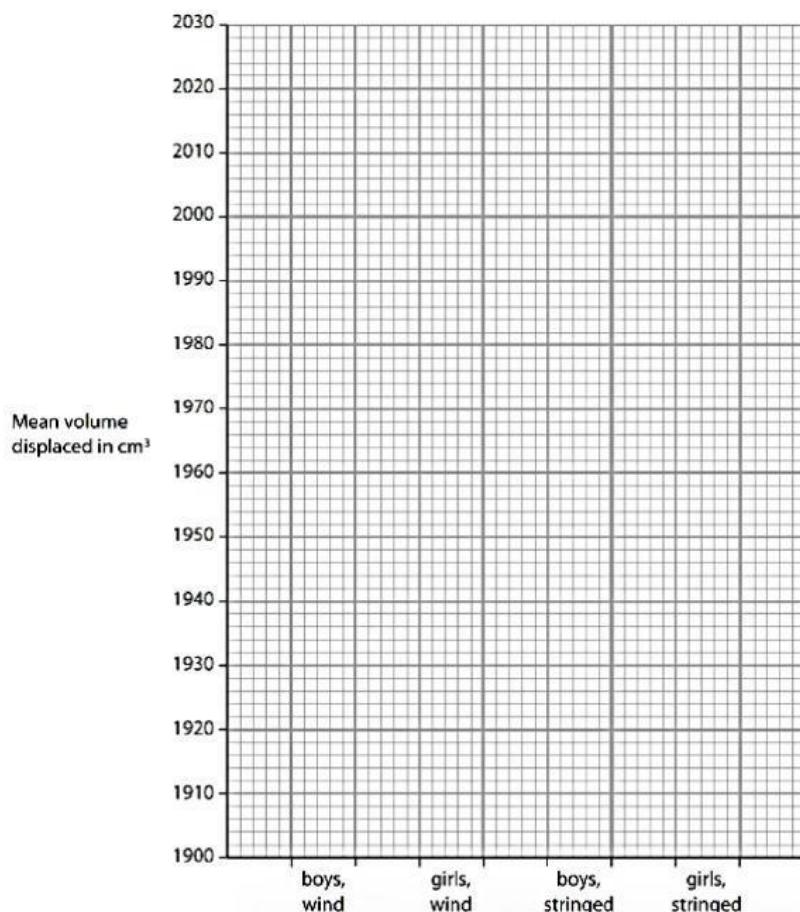
Here are the results that Sofia and Zara collect.



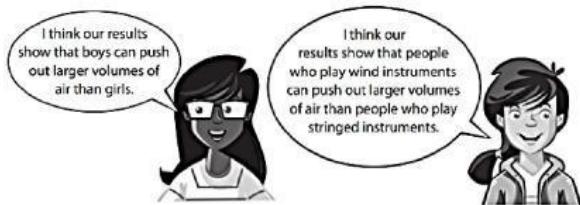
Complete Sofia and Zara's result table.

| Person | Boy or Girl | Wind or String Player | Volume displaced in cm <sup>3</sup> |
|--------|-------------|-----------------------|-------------------------------------|
| 1      | Boy         | Wind                  | 2100                                |
| 2      |             |                       |                                     |
| 3      |             |                       |                                     |
| 4      |             |                       |                                     |
| 5      |             |                       |                                     |
| 6      |             |                       |                                     |
| 7      |             |                       |                                     |
| 8      |             |                       |                                     |
| 9      |             |                       |                                     |

4. Complete the bar chart to show Sofia and Zara's results.



5. Sofia and Zara discuss what their results show.



a. Is Sofia right? Explain your answer.

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b. Is Zara right? Explain your answer.

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6. Complete this table.

| Component of Blood | Characteristics | Function |
|--------------------|-----------------|----------|
| Red Blood Cell     |                 |          |
| White Blood Cell   |                 |          |
| Plasma             |                 |          |