SNC2D1 Task – Respiratory System Name:

1. Describe the two primary functions of the respiratory system. Be specific and descriptive and write in complete sentences. This will require research. (2 marks)

1.

2.

1. The main organs of the respiratory system are listed in the word bank below. Correctly label these organs in the following two diagrams of the respiratory system.

Note: Organs from the word bank can be used more than once.

|  |  |  |  |
| --- | --- | --- | --- |
| * alveoli
* left bronchus
* right bronchus
* bronchioles
 | * diaphragm
* epiglottis
* larynx
 | * left lung
* right lung
* oral cavity
 | * nasal cavity
* pharynx
* trachea
 |

**Diagram #1:**





**Diagram #2:**



1. Match each organ of the respiratory system with the correct function and description. This will require research. (9 marks)

 \_\_\_\_\_\_ Nasal cavity A. Contains two bands of tissue (vocal cords) that vibrate when air

 passes through to produce sound. Also called the voice box.

 \_\_\_\_\_\_ Pharynx B. The two tubes that branch from the trachea and allow inhaled

 air to enter both lungs.

 \_\_\_\_\_\_ Larynx C. Covers the entrance to the larynx during swallowing to prevent

 food and liquid from entering the trachea.

 \_\_\_\_\_\_ Epiglottis D. The band of muscle found below the lungs that contracts and

 relaxes during breathing.

 \_\_\_\_\_\_ Trachea E. Hollow space behind the nose lined with cilia and mucus that

 warms, moistens, and filters air particles.

 \_\_\_\_\_\_ Bronchi F. Air sacs found at the ends of the bronchioles. Where gas

 exchange takes place.

 \_\_\_\_\_\_ Bronchioles G. The tube that allows inhaled air to enter the lower respiratory

 tract. Also called the windpipe.

 \_\_\_\_\_\_ Alveoli H. Smaller tubes found inside the lungs that bring inhaled air to the

 alveoli.

 \_\_\_\_\_\_ Diaphragm I. Area where both inhaled air and swallowed food passes through.

 Also known as the throat.