

## P.6 SCIENCE HOME WORK 12/FEB/2021

1. Name any two non-communicable diseases of the respiratory system.

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2. State any two ways in which air sacs are adopted for exchange of gases.

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3. Study the table below and answer the questions that follow.

| Component      | Inhaled air | Exhaled air |
|----------------|-------------|-------------|
| Oxygen         | 21%         | 16%         |
| Nitrogen       | 78%         | 78%         |
| Carbon dioxide | 0.03%       | 4%          |

Briefly explain why;

a) Exhaled air contains little oxygen.

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b) Concentration of nitrogen remained unchanged.

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c) Exhaled air contains more carbon dioxide.

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4. State what happens to the following parts during breathing in.

a. Rib cage \_\_\_\_\_

b. Lungs \_\_\_\_\_

c. Diaphragm \_\_\_\_\_

5. By what process does carbon dioxide move from capillaries to lungs?

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6. Apart from lung cancer, identify any other disease of the respiratory system spread by smoking.

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