Biology
Lungs

- Human have two lungs
- The main role is to turn deoxygenated blood into oxygenated blood
- Deoxygenated blood is with carbon dioxide
- oxygenated blood is without carbon dioxide

structure of the lungs

- lungs fill a large part of Chest
- they are surrounded by pleural membrane
- below them is a diaphragm which helps breathing

Paths of air into the lungs

- Air enters through the mouth and nose
- then it goes to the trachea, trachea is basically main tube carrying air
- Then air enters into the bronchi in bronchioles
- trachea splits into two tubes left and right lung
- In bronchioles, each bronchus divides into smaller tube
- alveola is the tiny air sacs at the end of bronchus where gas exchange happen with pulmonary capillary

Function of the lungs

Ventilation

- breathing in oxygen
- breathing out air with carbon dioxide

Gas exchange

- oxygen moves from alveoli into the blood
- carbon dioxide moves from blood into the alveoli because carbon dioxide is lower in alveoli than in blood

Breathing rate formula

The formula of breathing rate is

Breathing per minute is equal to number of breath divided by number of minutes

Question

Bob takes 91 breaths in 7 minutes so breath per minute will be