

Biological Systems and Processes

Lesson 10 - Smoking

KS3 Biology

Miss Hindle



Quick Recap...

1. What is the name of the tube running from the nose and mouth to the lung?

T.....

2. Why are the alveoli membranes so highly folded?

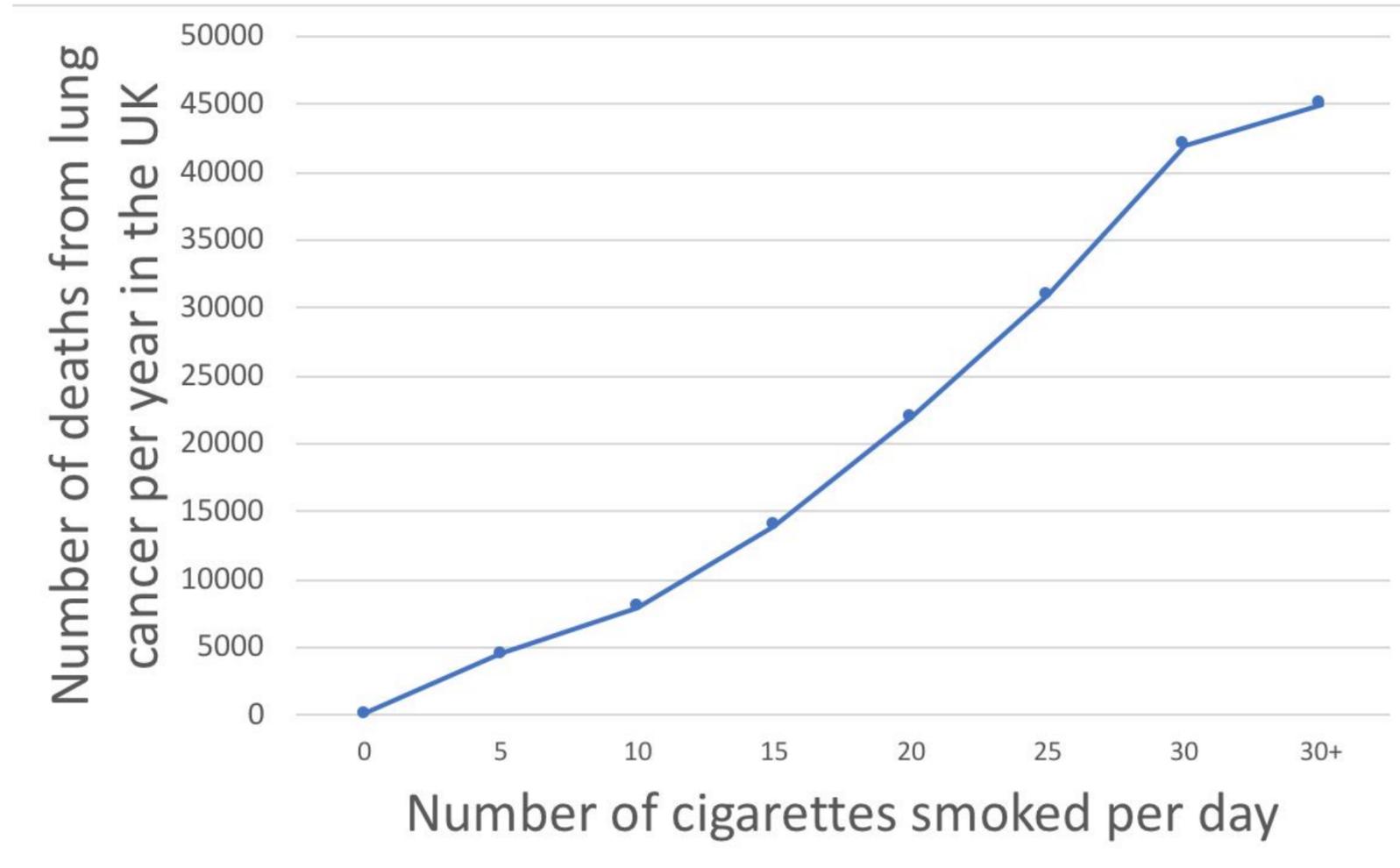
To give a L..... S..... A.....

3. What happens to the oxygen that crosses the alveoli into the blood?

4. Where does respiration take place?



Describing Trends...



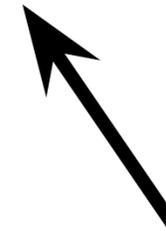
Credit: Miss Hindle

1. **Describe** the trend shown in this graph.



Say what the graph is showing you!

2. **Explain** the trend shown in this graph

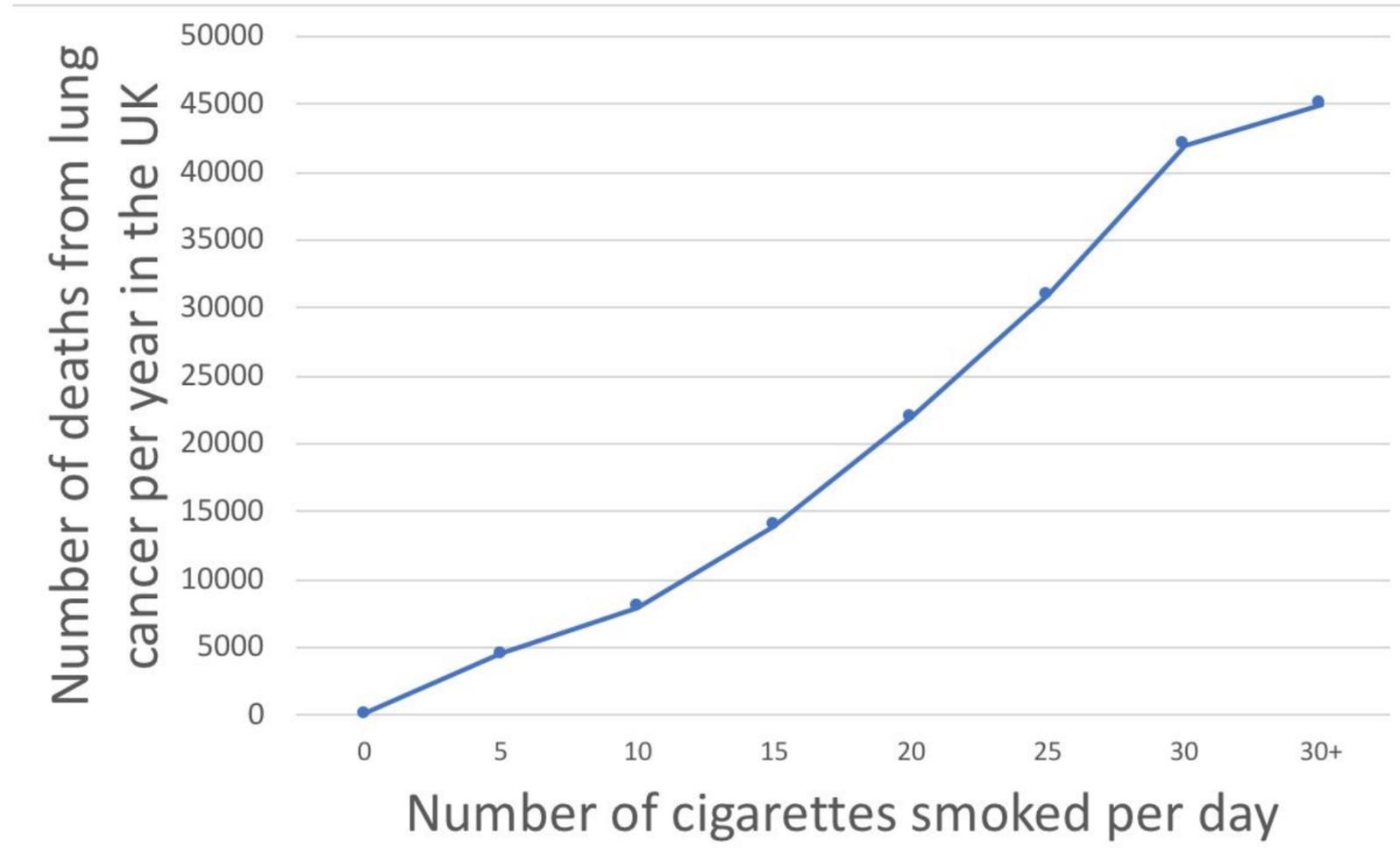


Say why the graph shows this trend



Describing Trends...

1. **Describe** the trend shown in this graph.



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2. **Explain** the trend shown in this graph



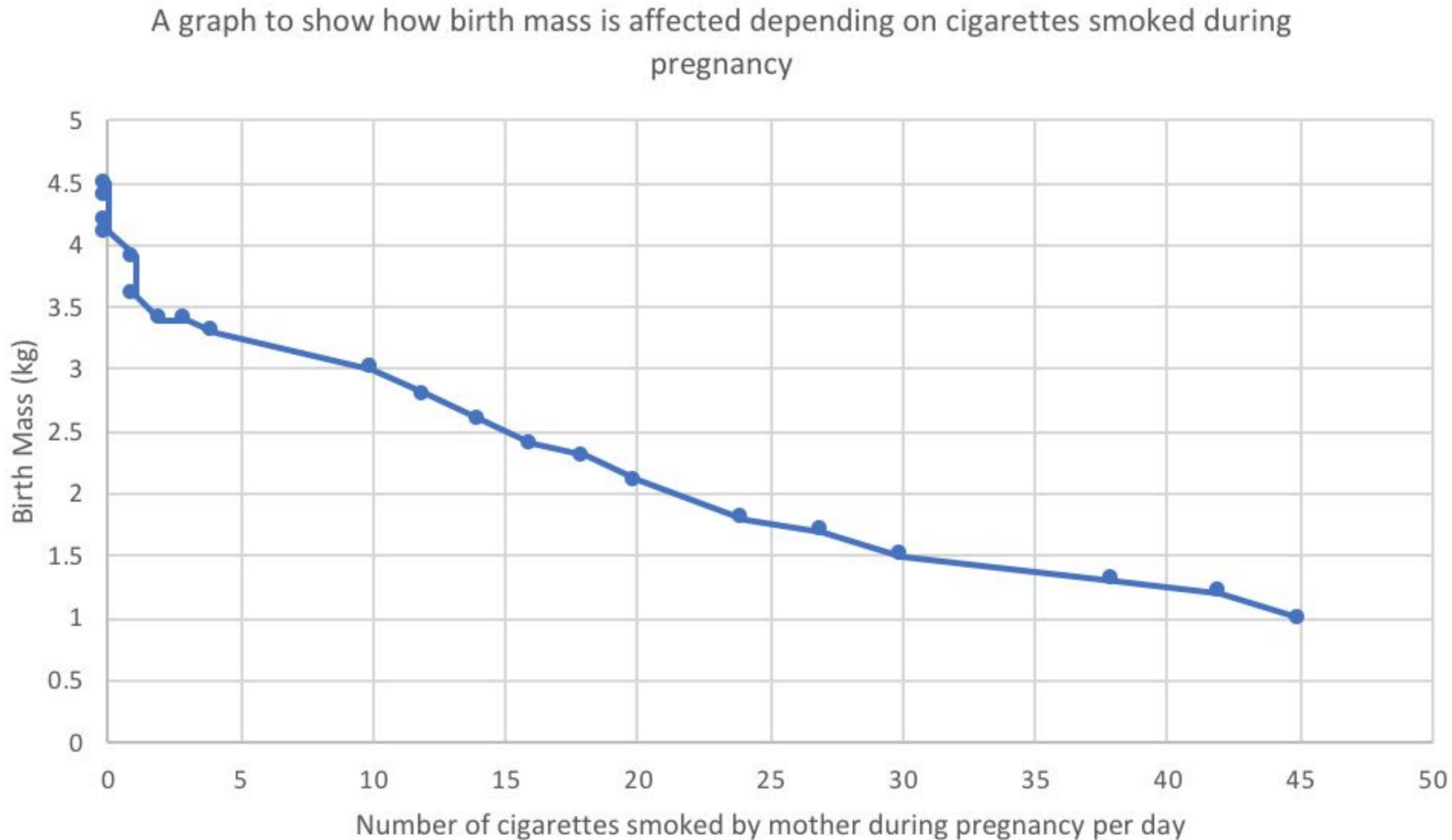
Written task:

1. Describe the difference between the **alveoli** of a healthy person and the smoker and how the difference will affect the smoker's health
2. Describe the difference between the **ciliated cells in the trachea** of a healthy person and the smoker and how the difference will affect the smoker's health
3. Describe the difference between the **arteries, including the coronary artery**, of a healthy person and the smoker and how the difference will affect the smoker's health

Word bank: breathe, blood flow, chest infection, coughs, gas exchange, heart attack, mucus, stroke, surface area



Looking at trends...

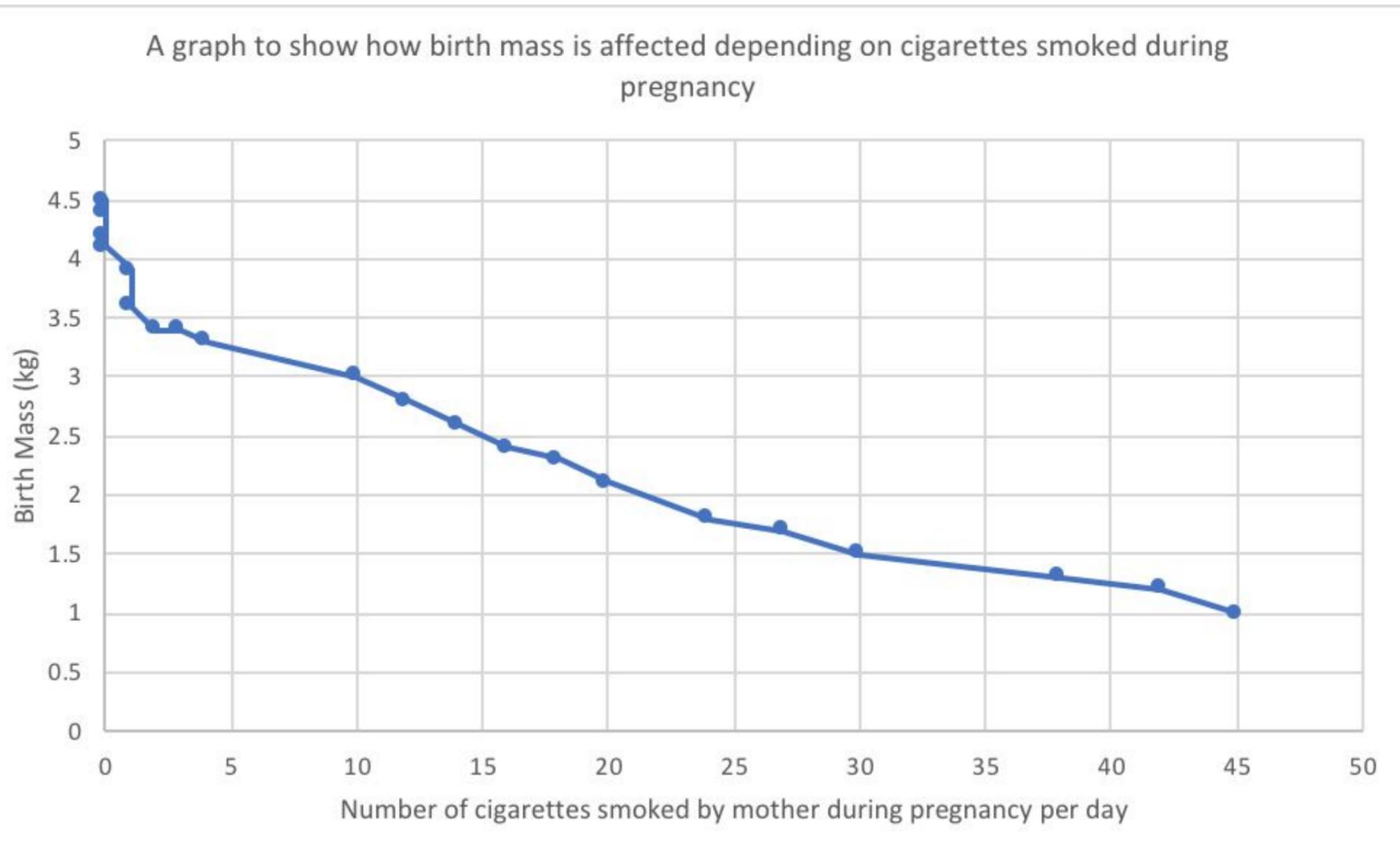


Credit: Miss Hindle

1. **Describe** the trend seen in the graph
2. **Explain** the trend seen in the graph



Looking at trends help...



Credit: Miss Hindle

- 1.** What happens to the birth mass of baby as the number of cigarettes smoked each day, by the mother, increases?
- 2.** When a mother smokes during pregnancy, what happens to the amount of oxygen that reaches the foetus?
- 3.** How does this affect the development of the foetus?

