

Combined Science - Biology - KS4
Organisation

Heart Disease

(Downloadable student document)

Mr Humphries



OAK
NATIONAL
ACADEMY

Independent Task

Describe how CHD can cause a heart attack (4)

- **What builds up in the wall of the artery?**
- **How does this affect blood flow?**
- **How does the amount of oxygen reaching the heart muscles change?**
- **How does this affect respiration?**



Independent Task

Evaluate the use of statins to prevent heart attacks (6)

- **Statins are beneficial because they reduce blood cholesterol**
- **This reduces build up of fatty deposits in coronary arteries**
- **This increases blood flow to heart**

- **However the drugs have side effects**
- **People may forget to take the drugs**
- **They need to be taken for a long time and take a long time to work**

