

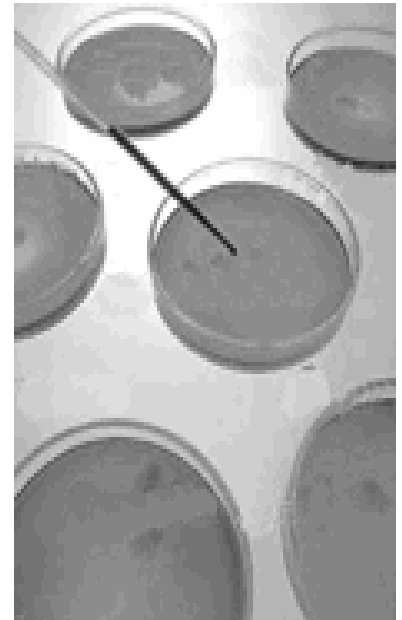
Microbiology  
and  
Biotechnology  
– Exam  
Questions

# 2010 - Higher

- Give **one *beneficial*** and **one *harmful effect*** of bacteria.

# 2009 - Higher

- The photograph shows petri dishes containing agar being exposed to the air for 5 to 10 minutes before being covered. One petri dish containing agar was left covered. All of the dishes were kept warm for some days and inspected daily.
- What is the **function** of the agar?
- Why was **one petri dish left covered**?
- Describe and explain the **appearance of the agar** in the **exposed dishes** after some time passed.



# 2007 - Higher

- The photograph shows a stage in the industrial production of cheese. This is an example of the use of biotechnology in industry.
- Give **two** other **examples** of the use of biotechnology in industry or medicine.



## 2006 - Ordinary

- Micro-organisms are used widely in **biotechnology**. Give one **use** of biotechnology in industry.
- Describe how the **presence of micro-organisms in a sample of soil**
- might be investigated. Include a diagram of any equipment that might be used.