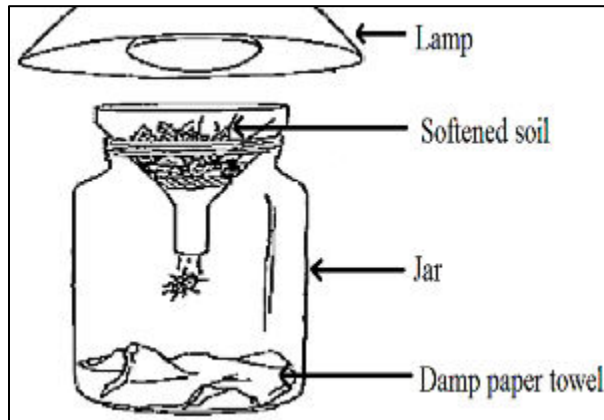


**Penang Sangam High School**  
**Supplementary Resources**  
**Year 12 Agriculture**  
**Week 5 Worksheet**

1. The process of controlling the growth of wild plants and animals for human use is
  - A. propagation.
  - B. manipulation.
  - C. hybridization.
  - D. domestication.
  
2. The type of forest which spontaneously generates itself in an area is a
  - A. moist forest.
  - B. garden forest.
  - C. natural forest.
  - D. plantation forest.
  
3. The air in an area is polluted when agricultural activities release
  - A. toxic weeds.
  - B. invasive ants.
  - C. machine noises.
  - D. allergenic pollens.
  
4. In the last 5 years, Fiji has suffered from intense rainfall and resulting floods caused by
  - A. use of bio-gas.
  - B. global warming.
  - C. organic farming.
  - D. conservation tillage.
  
5. One advantage of growing Genetically Modified Organism (GMO) crops is that the commodities produced
  - A. have a longer shelf life.
  - B. are eaten by local pests.
  - C. replace traditional crops.
  - D. are controlled by an oligopoly.
  
6. A country which conducts research and invests in methods of achieving food security, aims for a population which is
  - A. healthy.
  - B. wealthy.
  - C. educated.
  - D. employed.
  
7. State one way in which tilling kills soil organisms.

8. State one reason why the number of soil organisms in an area decreases when plastic mulch is used.

9. The diagram below illustrates equipment used by students to determine if soil organisms were present in a soil sample.



Name the method which uses the equipment illustrated above.

10. Explain the Dump Heap Hypothesis in relation to how agriculture began.

### 11. Essay Writing

Agriculture is crucial to each of the seven billion humans on earth because it allows us to fill our plates every day.

With reference to the above statement, discuss three

- ☐ dimensions of food security (3 marks)
- ☐ ways in which agro-biotechnology impacts agricultural production (3 marks)
- ☐ effects of zoonotic diseases on agricultural production (3 marks)

The End