

## **Hydroponic Gardening Video**

Name:

1. Why does hydroponics work so well?
2. Hydroponics makes it easier for plants to absorb:
3. What is the downside of growing plants in soil?
4. What causes nutrient deficiency in the soil?
5. What provides plants nutrition in hydroponics and what is in the solution?

## **Underground Farming Video**

1. Why is farming so important for people?
2. Why do plants need sunlight?
3. What colour spectrums do plants need most?
4. What colour spectrums make the plants more favourable?
5. What happens to the flavour of a plant as it grows larger?
6. List the benefits of underground farming?
7. What is the propagation tunnel and why do they keep it dark?
8. What do they mean in the video by a small carbon footprint?

## Lighthouse/Greenhouse Video

1. At the start of the video, it mentions that historical greenhouses were made with brick or timber with some basic heating methods. How did Greenhouses evolve once glass became cheaper to make and building and heating techniques became more sophisticated?
2. What country in 2005 created floating gardens to use the over abundant supply of water from constant flooding, which damaged their farmlands?
3. What country used Perlite to help them use 70% less water while growing their vegetables?
4. What kind of gardening technique is used in highly populated cities where there is little land left for traditional flat acre farms like we have in our area?