

Learning checklist Interdependence 2

Level 4

- I know two materials that are recycled.
- I know that burning fossil fuels causes pollution.
- I know one way to conserve plants and animals.
- I can name one endangered species.
- I can name three ways diseases are spread.
- I know that infectious diseases are caused by microbes.
- I know two ways the body fights off infection.
- I know one example of biological warfare

Level 5

- I know the effect of acid rain.
- I know how to control the production of acid gases.
- I know what the ozone layer does.
- I know the effect of global warming.
- I know how to sample an area.
- I know how endangered species are conserved.
- I can give two examples of conservation.
- I know that the types of microbes that cause disease are bacteria, viruses and fungi.
- I know two examples of viral and two of bacterial disease.
- I can explain how one disease is spread and the symptoms it has.
- I know that disinfectants kill microbes.
- I can explain how to use an agar plate to show how effective disinfectants are.

Level 6

- I can explain why pollution occurs.
- I can explain how acid rain is caused.
- I can explain why global warming occurs.
- I can explain the purpose of conservation.
- I know the infection cycle explains how microbes cause disease.
- I can explain the difference between infection and symptoms.
- I know how white blood cells prevent disease.
- I know the role of antibodies.
- I know the difference between disinfectants and antiseptics

Level 7

- I can give a reasoned argument for the need to control carbon dioxide emissions.
- I can explain what is meant by the 'cost' of becoming green.
- I can give a reasoned argument for conservation.
- I can explain how vaccines work.
- I can explain the case for and against the use of vaccines.
- I can explain how to find out which strength of disinfectant is not effective against bacteria.

Level 8

- I can analyse evidence from different 'pressure' groups, to produce a reasoned argument for or against an environmental problem.
- I can understand why scientific ideas may change in relation to the short- and long-term effects of environmental change caused by pollution.
- I can explain the evidence to support the germ theory for disease.
- I can use the immune response model to explain how allergies are caused, how vaccines work and why some people never catch a disease.