1. Fertilisers increase crop yields by:

   ☐ blocking sunlight

   ☐ killing all insects

   ☐ removing water

   ☐ adding nutrients to the soil

2. Deforestation is the:

   ☐ cleaning of rivers

   ☐ planting of new forests

   ☐ breeding of crops

   ☐ clearing of forests

3. Eutrophication is usually started by:

   ☐ removing algae from the surface

   ☐ too little water in a dry summer

   ☐ too much sunlight on its own

   ☐ fertiliser or sewage adding nitrates to water

4. Most plastics are a problem because they are:

   ☐ too expensive

   ☐ easily eaten safely

   ☐ good fertilisers

   ☐ non-biodegradable (do not rot away)

5. The condor population grew from 27 to about 540. By what factor is that?

   _____

6. A drawback of pesticides is that they can:

   ☐ increase biodiversity on the farm

   ☐ cool the soil and slow root growth

   ☐ add nutrients such as nitrates to the soil

   ☐ harm helpful insects and build up in food chains

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   ☐ more carbon dioxide in the air

   ☐ loss of habitats

   ☐ soil erosion

   ☐ increased biodiversity

   Tick every correct option.

8. A rapid surface growth of algae from excess nutrients is an algal _____.

   _____

9. Which are greenhouse gases? (Select all that apply.)

   ☐ methane

   ☐ carbon dioxide

   ☐ nitrogen

   ☐ oxygen

   Tick every correct option.

10. Which threaten species?

    ☐ Pollution

    ☐ Seed banks

    ☐ Habitat loss

    ☐ Introduced species

    Tick every correct option.

1. **adding nutrients to the soil**

   Fertilisers supply nutrients like nitrates.

2. **clearing of forests**

   Deforestation removes forests.

3. **fertiliser or sewage adding nitrates to water**

   Extra nitrates trigger the process.

4. **non-biodegradable (do not rot away)**

   Non-biodegradable plastics persist and harm wildlife.

5. **20**

   $540 \div 27 = 20$.

6. **harm helpful insects and build up in food chains**

   Pesticides can damage non-target species.

7. **more carbon dioxide in the air; loss of habitats; soil erosion**

   Deforestation reduces biodiversity, not increases it.

8. **bloom**

   The bloom blocks light and starts the harm.

9. **methane; carbon dioxide**

   CO_2 and methane trap heat; oxygen and nitrogen do not.

10. **Pollution; Habitat loss; Introduced species**

    Seed banks protect species.

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