1. The **tragedy of the commons** happens when…

   ☐ individuals overuse a shared resource, ruining it for all

   ☐ no one uses a resource

   ☐ a resource grows forever

   ☐ a resource is privately owned

2. **Clearcutting** is…

   ☐ cutting down all the trees in an area at once

   ☐ planting new trees in rows

   ☐ burning the undergrowth only

   ☐ removing only a few trees

3. How does heavy **tillage** (ploughing) harm soil?

   ☐ it bares the soil to erosion

   ☐ it has no effect on the soil

   ☐ it turns the soil into rock

   ☐ it adds new layers of soil

4. A **pesticide** is a chemical used to…

   ☐ kill pests

   ☐ fertilise crops

   ☐ water the field

   ☐ harvest the crop

5. **Overfishing** means…

   ☐ catching fish faster than they can reproduce

   ☐ catching no fish at all

   ☐ cleaning the ocean

   ☐ farming fish

6. The leftover toxic waste rock from processing ore is called _____.

   _____

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   _____

8. A planted, low area designed to soak up stormwater is called a rain _____.

   _____

9. Farming without ploughing, to protect the soil from erosion, is called _____-till.

   _____

10. Replanting trees to renew a forest after harvest is called _____.

    _____

1. **individuals overuse a shared resource, ruining it for all**

   The **tragedy of the commons**: each person, acting in self-interest, overuses a shared resource until it collapses.

2. **cutting down all the trees in an area at once**

   Clearcutting removes every tree in an area – fast and cheap, but very damaging.

3. **it bares the soil to erosion**

   Heavy **tillage** breaks up and bares the soil, letting wind and rain erode it faster.

4. **kill pests**

   A **pesticide** kills **pests** – insects, weeds, or fungi that damage crops.

5. **catching fish faster than they can reproduce**

   Overfishing takes fish faster than they breed, so the population crashes.

6. **tailings**

   Tailings are toxic waste from mining that can pollute soil and water for a long time.

7. **overshoot**

   When our total footprint exceeds Earth's **biocapacity**, we **overshoot** – using more than the planet can sustain.

8. **garden**

   A rain **garden** collects runoff and lets plants and soil absorb it, reducing flooding and pollution.

9. **no**

   No-till farming leaves the soil and plant cover undisturbed, greatly reducing erosion.

10. **reforestation**

    Reforestation replants trees so the forest and its benefits return over time.

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