

POLLUTION

- *Pollution* is anything that harms the natural environment.
- When the taking or using of natural resources causes harm to Earth's air, water including oceans, or land, then the human activity has caused pollution.

- Oceans are rich in food, minerals, and other resources and can be easily polluted.

- Human activities can also harm the land and oceans causing resources to be polluted or destroyed.

- Sometimes people may allow materials to be dumped into rivers not thinking that rivers flow into the estuaries and ocean where they are harmful to life there.

- Careless dumping of trash on land or in oceans pollutes those areas.
- Smoke and fumes from burning fuels pollutes the air.
- Oil spills harm the oceans and can cause life there to be killed.

- Careless human activities in agriculture, industry, construction, or mining can cause pollution on the land, in the water, and in the air.

- Let's take a look at what I'm talking about.

Mining

- The process of removing a resource from the ground.
- We mine coal (a fossil fuel) and iron (used in steel).
- Mining can be harmful by: **changing habitats, causing pollution, increasing erosion** when plants and topsoil are stripped from an area.

Underground Mining Methods

Surface Mining Methods

*Original
land surface*

Dragline removing
mountain top

rock spoil

Dozer along
contour bench

coal beds

Auger mining

Drift mine

Dragline in
pit

rock spoil

coal elevator

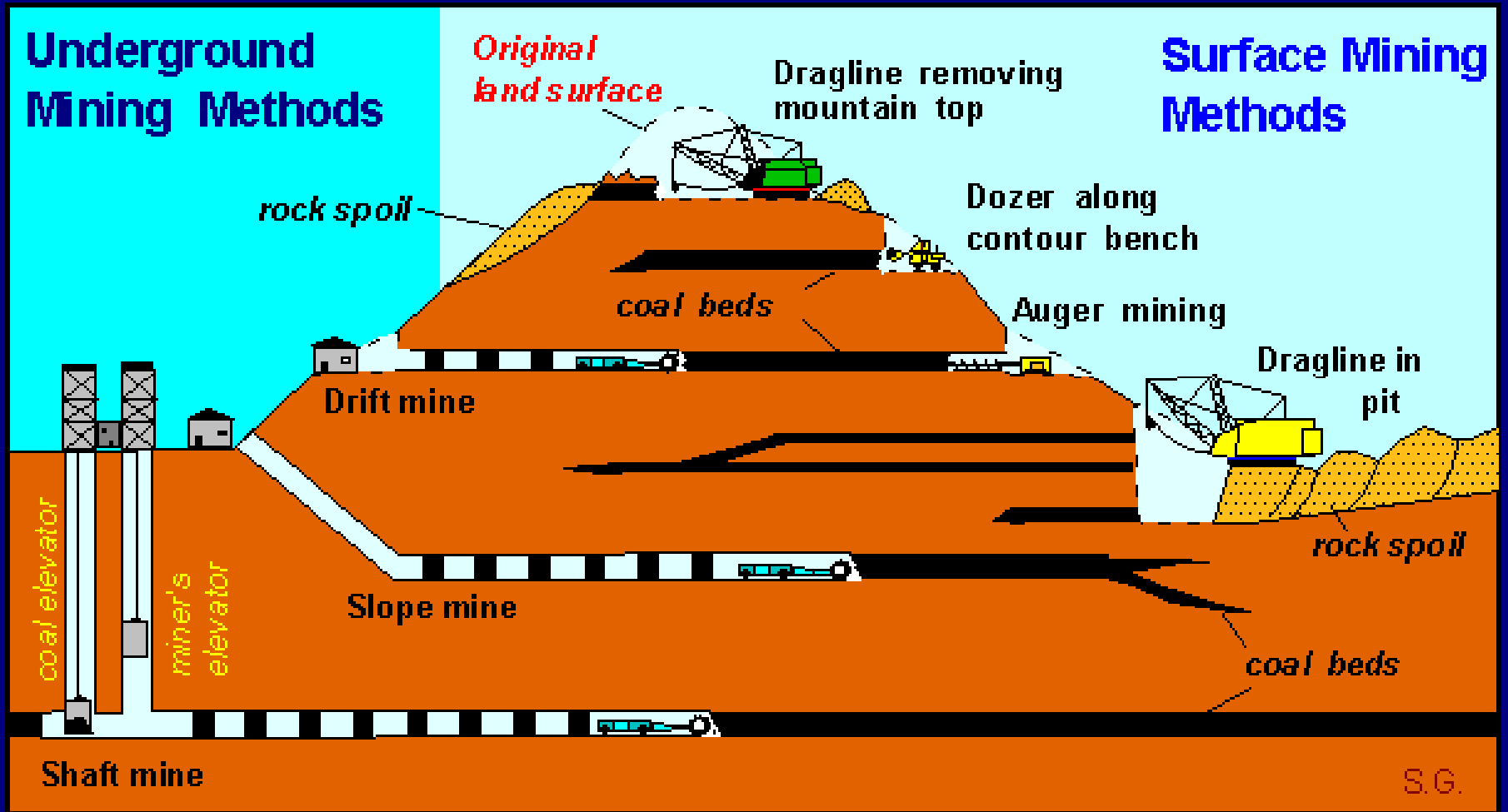
*miner's
elevator*

Slope mine

coal beds

Shaft mine

S.G.





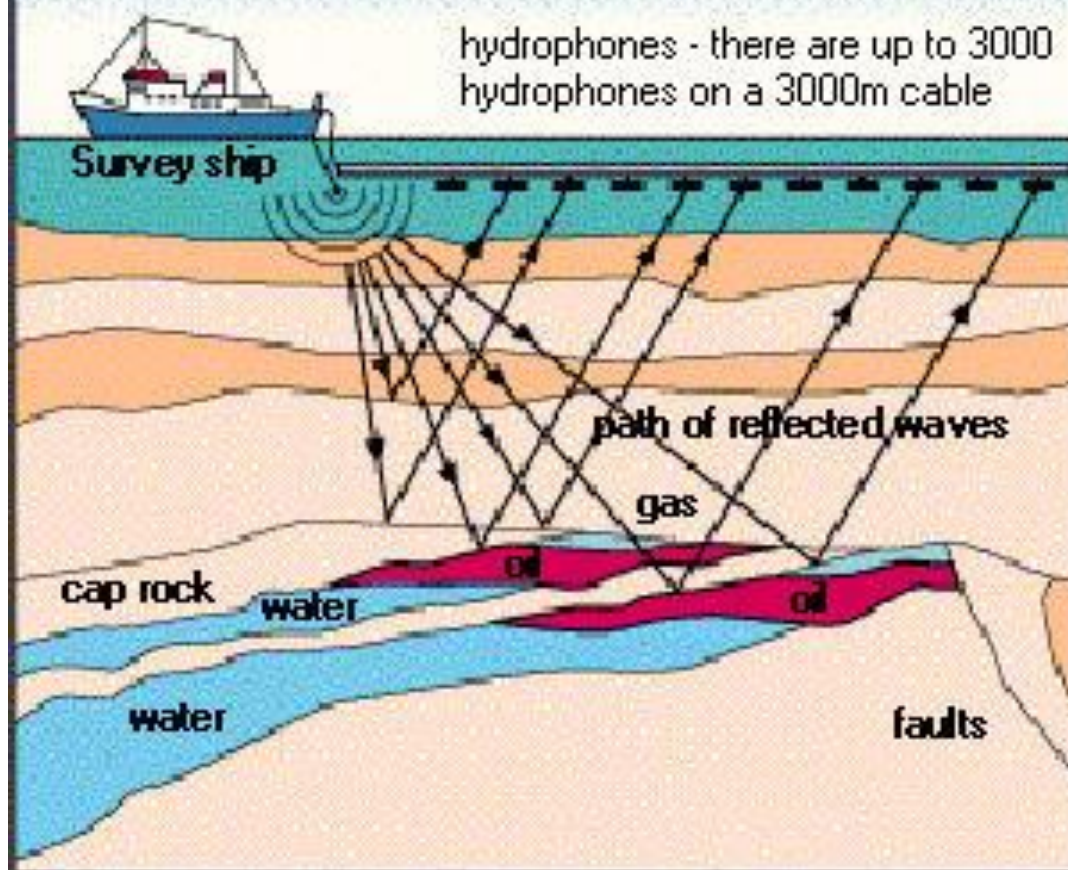


Drilling

- We drill for **oil** and other fossil fuels.
- Drilling can be harmful because **it changes landforms** and **pollutes water resources and soils.**

air-gun is the source of shock waves - compressed air is more environmentally friendly than explosives

hydrophones - there are up to 3000 hydrophones on a 3000m cable





Oil Spill

- Can kill living things in ocean ecosystems.
- **Very difficult to clean up.**
- Can damage large areas for long periods.





Chronicle / Kurt Rogers



Limit the Damage to Earth's Oceans

- **Reduce** your use of resources
- **Reuse** materials
- **Recycle**



