

Name _____

Period _____

Environmental Awareness Notes Outline

Balance of Nature

- If part of a _____ in balance (_____) is changed, other parts of the _____ will also change to establish a new _____.
- Planet _____ seems to be _____ as a place where _____ as we know can _____ and thrive.

Pollution

- Any _____ or form of _____ in sufficient concentration to _____ living things or the natural _____.
- When we _____ the environment, other _____ are likely to occur as the _____ adjusts _____.

Pollution Example

- When you _____ your _____, some of the _____ will be _____ away by _____.
- It will be _____ into nearby _____ and _____.
- The _____ provides _____ for _____ that _____ in polluted waterways.
- The _____ reduce the _____ content of the water, which leads to the _____ of different _____ that thrive in low _____ conditions.
- Fish, which require _____, well-_____ water, will _____.

Technology and the Environment

- As new _____ are developed, new _____ of _____ may be created.
- Example:
 - Chlorofluorocarbons (_____) have drifted to the upper _____ where they can _____ the Earth's _____ layer.
 - _____ (O₃) is a form of _____ that protects us from harmful _____ from outer space.
 - CFCs convert _____ into normal _____ (O₂), which does not protect us from _____ and other high-energy _____ from space.

Pollution Classification

- Can be classified by the part of the _____ it affects.
 - _____
 - _____
 - _____
- Can also be classified according to their _____.
- Is created by _____, by _____ that collect and dispose of _____ improperly, and by _____.

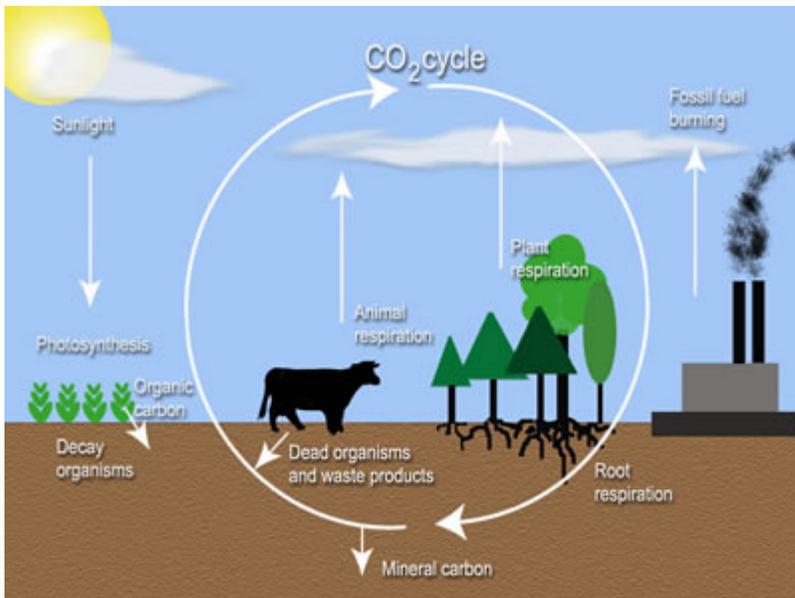
	Individuals	Communities	Industry
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_____	Secondhand tobacco _____, _____ and other combustion products from _____ and, _____ exhaust	Photochemical _____, Exhaust from incinerators, Excess _____, Fallout from _____ weapons testing, Airport _____	_____ particles, _____, Airborne acids, _____ particles and _____ from industrial processes, _____
_____	Lawn and garden _____, Eroded soil	_____ and runoff from streets	_____ from irrigated land, Toxic _____ such as PCBs & mercury, _____, _____ wastes
_____	_____, Soil erosion, _____ from septic systems	_____, Hospital _____ (organic, radioactive and chemical toxins), _____ from wars	_____ waste, Mercury and other _____ chemicals, Radioactive _____ from _____ and _____ by burial

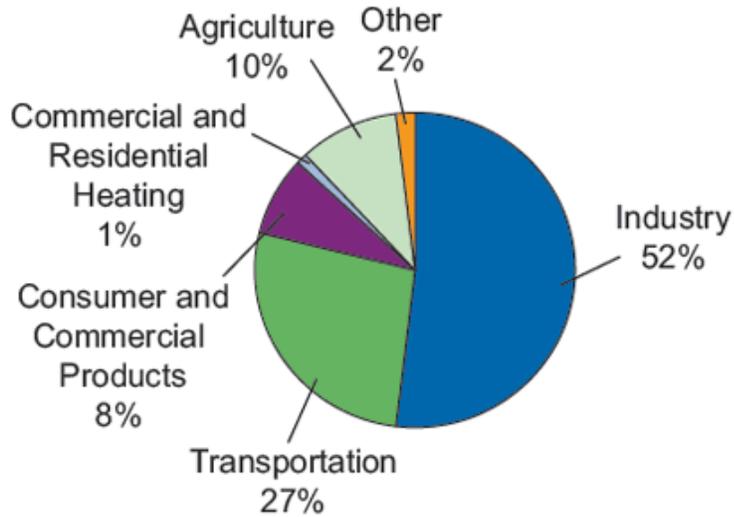
Air Pollution

- _____ is a natural component of our _____.
- The use of _____ fuels adds _____ to Earth's _____.
- Carbon dioxide is a "_____."
 - Carbon dioxide in our _____ lets in _____, but retards the escape of _____.

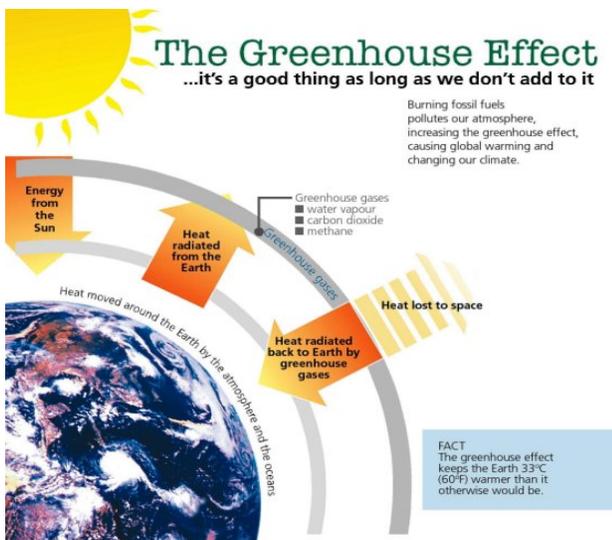
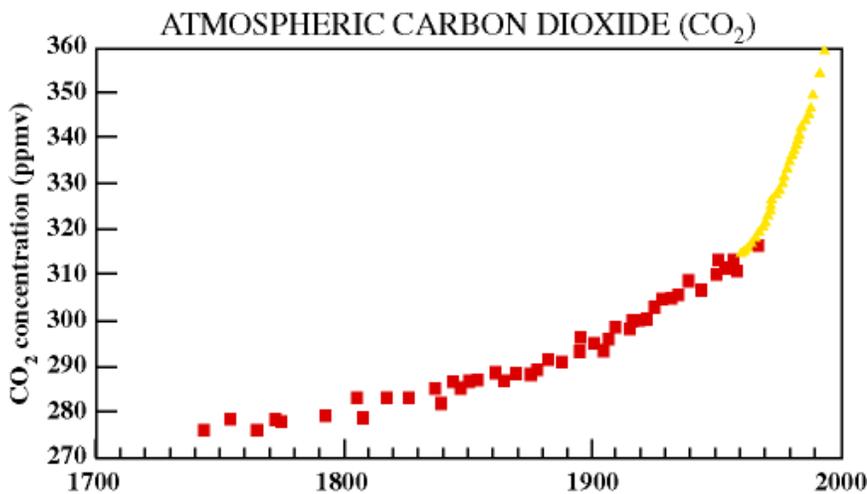
The _____ Cycle



Sources of Emissions of Air Pollutants

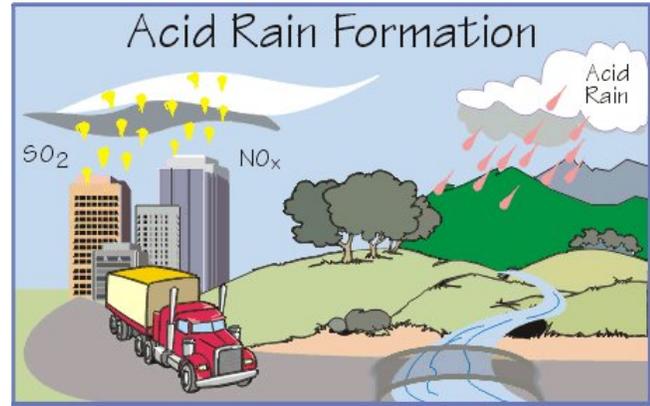


CO₂ Content of Earth's Atmosphere is _____



Acid Rain

- When fossil _____ are burned without proper pollution controls, _____ of _____ and sulfur are _____ into the atmosphere.
- They may be _____ hundreds of miles downwind.
- When these _____ mix with _____ in the atmosphere, they form _____.

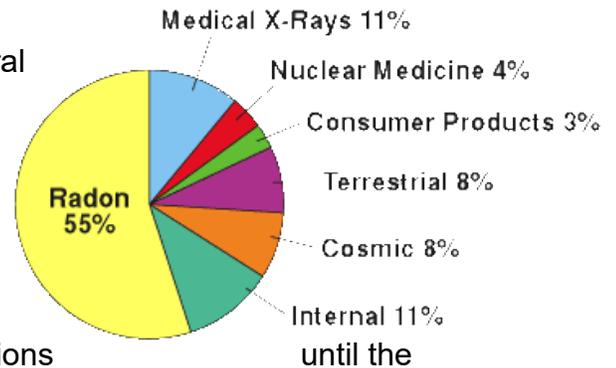


Water Pollution Sources

Ground Pollution Sources

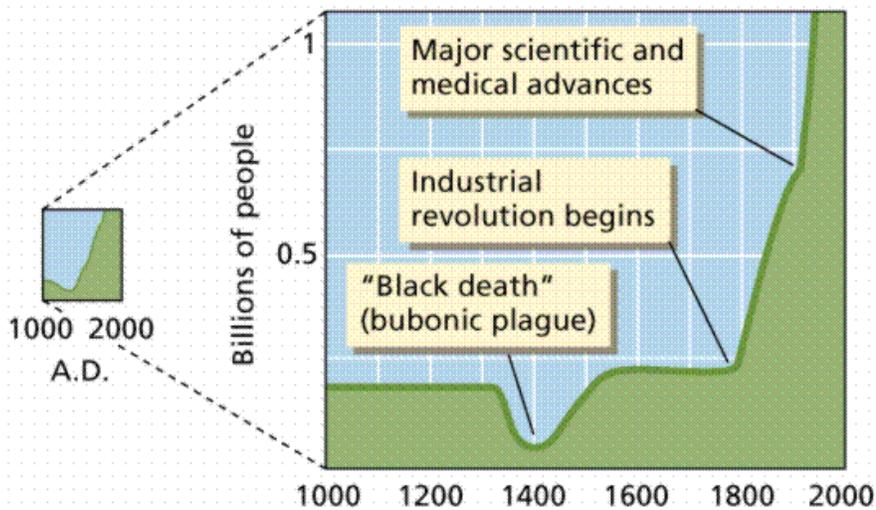
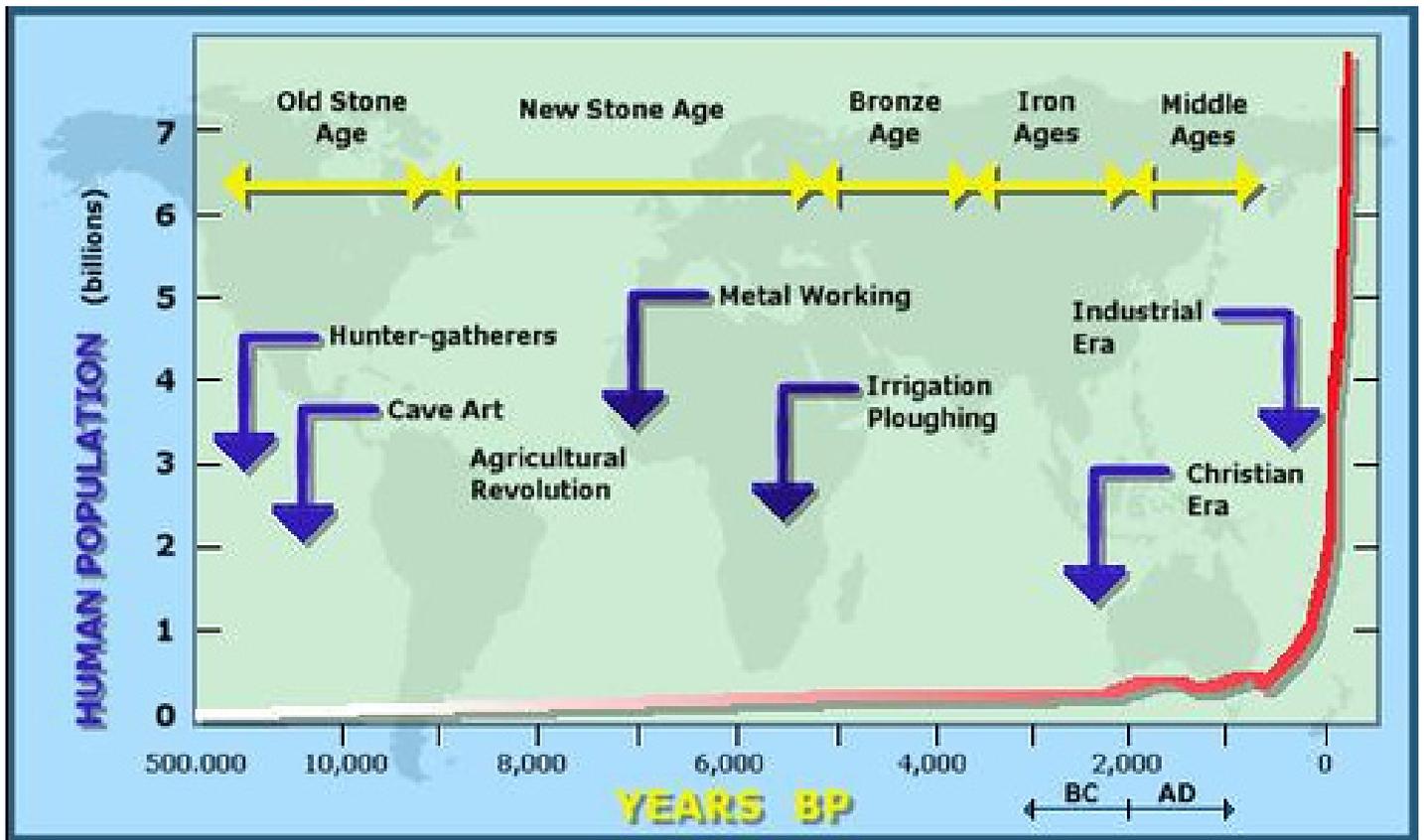
Energy Pollution

- We are surrounded by _____ of low-level natural _____.
- Nuclear power _____, hospitals, and some _____ produce high-level _____ nuclear waste.



Human Population Growth

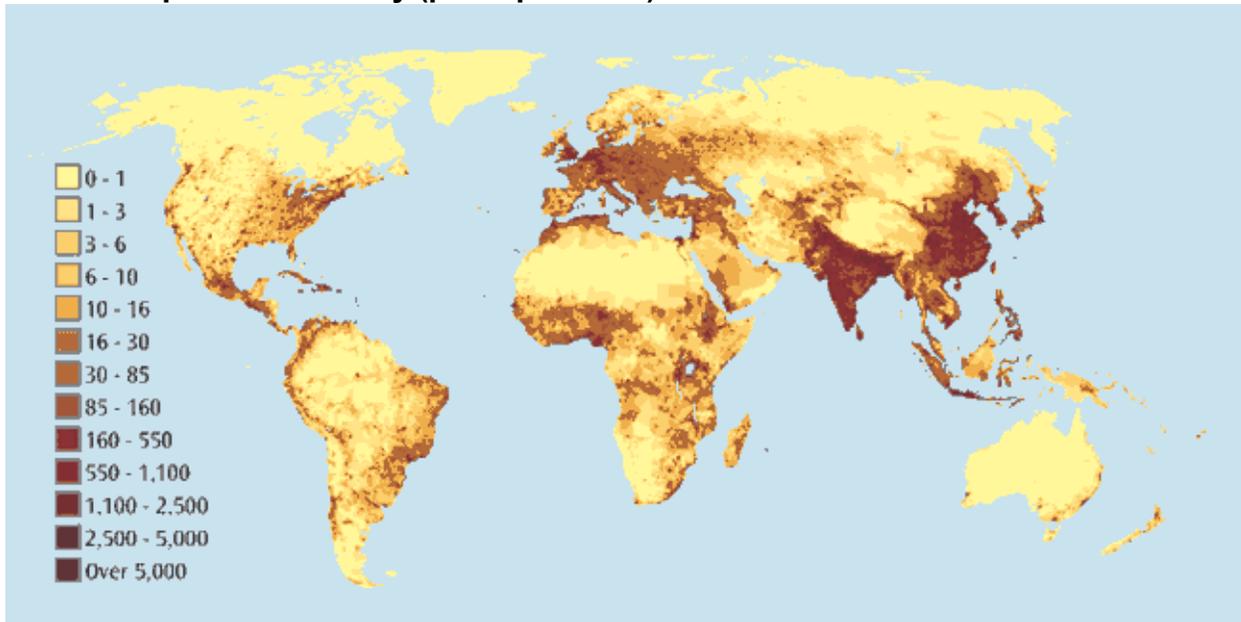
- The _____ population increased _____, from the time of the earliest civilizations _____ revolution in the _____.
- As a result of the _____ innovations, _____ were able to produce more _____ at lower cost.
- Advances in _____ in the _____ reduced _____ mortality and greatly reduced the occurrence of _____ (tuberculosis, pneumonia, smallpox).



Human Population Growth

- If Earth's _____ continues to _____ at this rate, there will be more _____ than the planet can _____.
- The populations of the _____ nations of Europe and North America have _____
 - In these places, _____ no longer have _____ families to insure that someone will _____ for them in their old age.
 - The _____ of providing an education for their children also helps keep families _____ in these nations.
- As _____ spreads from privileged _____ to the rest of the _____, it is likely that the _____ of the planet will _____ at a sustainable number.

Human Population Density (per square km)



Renewable Resources

- Many of our resources are _____.
- _____ resources circulate through the _____ and are _____ as we use them.
 - _____
 - _____
 - _____
 - _____

Nonrenewable Resources

- Other _____, such as _____ ores, fossil _____, and _____, are nonrenewable because they take so _____ to form that there is little or no hope of _____ them once they are _____.
- We need to _____ wisely so that we can make the best use of these _____ resources.
- _____ or _____ nonrenewable resources will help _____ Earth's limited supply of these _____.

The Future

- We need to think of our _____ as _____ in our future.
- _____ provide the greatest _____ when they are managed properly.
 1. Conduct scientific _____ to find the best ways to use and _____ resources.
 2. Explore _____ ways to provide for future _____.
 3. _____ those who will _____ our _____ and those who _____ them.