

<b>Topic/Objectives:</b> 17-3 Consequences of Fossil Fuel Use; (1) Explain how pollutants released by fossil fuels damage health and the environment; (2) Describe the environmental and health effects of mining and drilling; (3) Explain the implications of dependence on foreign nations for fossil fuels; (4) Explain why energy conservation is important.	<b>Name:</b>
	<b>Date:</b>
	<b>Period:</b>

**Essential Question:** What problems are associated with fossil fuel use?

<b>Questions:</b>	<b>Notes:</b>
	<p>The burning of fossil fuels causes pollution that affects our health and the environment.</p> <ul style="list-style-type: none"> <li>◦ Burning releases _____ into the atmosphere.</li> <li>◦ _____ has been linked to many negative health issues.</li> <li>◦ Water pollution ( _____ in 1989, _____ in 2010) has greatly affected ocean and coastal ecosystems.</li> <li>◦ Fossil fuels have been linked to several negative health effects (mercury from coal, lead and arsenic from crude oil).</li> </ul>
	<p>Mining and drilling for fuels can endanger people and change ecosystems in harmful ways.</p> <ul style="list-style-type: none"> <li>◦ Collapsing shafts and tunnels can disrupt and damage _____.</li> <li>◦ Inhalation of coal dust has been identified as a major cause of _____.</li> <li>◦ _____ can occur when sulfide minerals are exposed to oxygen and water.</li> <li>◦ Oil and gas extraction sites, access roads and housing can _____ wildlife.</li> <li>◦ _____ may be established from previous existing barriers.</li> </ul>
	<p>Since fossil fuels are unevenly distributed in the world, many nations need to depend on _____.</p> <ul style="list-style-type: none"> <li>◦ Resources are _____ distributed (US has large coal resources, middle eastern nations have large crude oil reserves).</li> <li>◦ Foreign nations can control energy _____ in countries that rely on them for fossil fuels.</li> <li>◦ Many countries have gradually began working to reduce their dependence on _____ fossil fuels.</li> </ul> <p>_____ of energy is the answer to limiting the damage caused by fossil fuels.</p>

[illegible]