**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SOUTHEAST ASIA ENVIRONMENTAL ISSUES**

**CLOZE NOTES 1**

**POLLUTION OF THE GANGES RIVER**​

**Ganges River**​

* The Ganges River is the most \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the Indian subcontinent.​
* The Ganges River basin is one of the most \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ place in the world.​
* The river provides water for drinking, bathing, cooking, and for transportation for over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ who live in the region.​

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**Pollution**​

* Many of India’s largest and most industrial cities are located in the Ganges River basin, and these factories \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the river.​
* About \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of chemical, human, and agricultural waste pours into the Ganges every day.​
* Cities pour millions of gallons of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that is eventually carried to villages farther south.​
* The Ganges is nicknamed “Mother Ganges”, and it is very sacred to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Hindus believe that they will have a peaceful journey to the next life if their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the Ganges.​
* Many are too poor for cremation, so they place the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ instead.​

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**Effects**​

* The Ganges River is highly polluted with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Cities along the Ganges have the highest rates of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (found in drinking water) of any who live in India.​
* It is estimated that about 80% of all illnesses and one-third of deaths in India come from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Outbreaks of such diseases as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , dysentery, typhoid, and hepatitis are common.​

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**Solution?**​

* India’s government started a program in 1985 called the Ganges Action Plan, with the purpose of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Indians have built many sewage and water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ along the river.​
* Unfortunately, it has not proved to be enough as India’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the run-off from industrial and farm production continue to pollute the river.​

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**SOUTHEAST ASIA ENVIRONMENTAL ISSUES**

**CLOZE NOTES 2**

**POLLUTION OF THE YANGTZE RIVER**​

**Yangtze River**​

* The Yangtze begins in the Tibetan Plateau and flows nearly 4,000 miles \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ where 400 million people live.​
* It is an extremely important water source to at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of China’s population.​
* Pumping stations along the river take water out to supply people with water for drinking, irrigation, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​

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**Pollution**​

* Many of China’s most densely \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are located along the river.​
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of chemicals and waste from agriculture, industry, and humans pour into the river each year.​
* Nitrogen from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (poisonous chemical) from industrial uses are the leading pollutants.​

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**Effects**​

* The pollution  puts all of the cities along its banks \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Lakes and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ have also been contaminated.​
* Hundreds of millions of Chinese villagers do not have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because of the pollution.​
* Many species of plants and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Nitrates from farm run-off has caused algae in the water to multiply and is contaminating and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Chinese people are eating the sick fish, which has led to many \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​

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**Solution?**​

* The Chinese government is building more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ along the Yangtze’s banks.​
* It is encouraging cities to build \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for garbage rather than dumping it into the river.​
* The government is spending billions of dollars to start cleaning up the Yangtze River, but it will take a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to solve the pollution problem. ​

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**SOUTHEAST ASIA ENVIRONMENTAL ISSUES**

**CLOZE NOTES 3**

**FLOODING IN INDIA**​

**Monsoons**​

* In India, monsoon season begins in June and spreads \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ until September.​
* Monsoons are both a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for India.​
* Farmers rely on the rain to grow crops and it’s also used to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Unfortunately, monsoons also cause heavy floods where the rivers overflow and cause \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and spread water-borne diseases.​

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**Flooding**​

* When monsoon flooding is too severe, the rivers \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and water sweeps over the land.​
* This can cause airports to close, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , power lines to fall, water-borne illnesses to spread, and animals and humans to possibly drown.​
* ​

**FLOODING IN CHINA**​

**Monsoons**​

* In China, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ begins in March and spreads heavy rain until August.​
* Monsoons are also a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for China. ​
* Farmers benefit when the Yangtze and Huang He Rivers overflow their banks because the silt and algae left behind provides \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* However, when monsoon rains swell the rivers too much, it leads to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​

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**Flooding**​

* Loggers have cut down \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that used to contain the rivers’ flooding.​
* Farmers downstream have also \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that used to act as sponges during floods. ​
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ have multiplied the effects of the storm water runoff and it now takes much less water to cause a flood.​

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**Effects**​

* Monsoons usually cause floods every \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years in China.​
* When the river floods, homes and crops are buried and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Flooding from China’s Huang He River has caused more deaths than \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the world.​
* Because of this, the river is often called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

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**SOUTHEAST ASIA ENVIRONMENTAL ISSUES**

**CLOZE NOTES 4**

**Solutions?**​

* The Chinese have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to control the rivers.​
* Unfortunately, when the dams burst during monsoon season, the flooding problem actually becomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
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**AIR POLLUTION IN INDIA**​

**Causes**​

* India has some of the heaviest air pollution in the world due to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the development of industry. ​
* Many of India’s industries use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ their factories.​
* When coal burns, it releases \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and pollutants into the atmosphere.​

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**Causes**​

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is also a growing problem in India.​
* In rural areas, many families cook \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , using wood, livestock dung, or coal as fuel.​
* These fuel sources emit carbon monoxide, soot, and other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the air.​

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**Effects**​

* Because of India’s rapidly \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , more and more Indians are exposed to pollution every year.​
* Indians living in cities have some of the highest rates of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the world.​
* Air pollution is now the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cause of death in India.​
* The Taj Mahal, a sacred site and popular tourist destination, is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from high levels of air pollution.​
* Some scientists believe that Indian smog could potentially \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ patterns in North America.​

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**Solution?**​

* It has been very difficult for India’s government to enforce laws on industry and transportation to clean up the air because it would \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* A large part of India’s population is very poor and does \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to slow down economic growth.​
* India has been investing money in clean up efforts, but it has not proved \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​

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**SOUTHEAST ASIA ENVIRONMENTAL ISSUES**

**CLOZE NOTES 5**

**AIR POLLUTION IN CHINA**​

**China**​

* China’s cities have experienced \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in population and industry in the past few decades.​
* 16 of the world’s 20 most polluted cities can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ !​
* China alone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the entire world’s total pollutants into the atmosphere.​

​

**Causes**​

* Much of China’s energy is provided by burning coal, a process that sends soot, ash, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Chinese citizens also \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to heat their homes, which adds to the pollution problem.​
* Millions of Chinese people now drive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , whose exhaust is also a major source of air pollution.​

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**Effects**​

* The leading causes of death in China are heart and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ related to overexposure to air pollution.​
* It is estimated that only 1% of people who live in China’s cities \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Air pollution has also \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in China, a problem for at least a third of the country’s agricultural areas.​
* Unfortunately, air pollution created in Chinese cities is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ inside the country.​
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the contaminated air and rain to Korea, Japan, and other parts of Asia as well. ​
* Scientists have even discovered Chinese-created air pollutants over the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​

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**Solution?**​

* China’s government pledged to work on the quality of the city’s air before the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* Automobile traffic was greatly reduced and many factories were \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .​
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ were cut by as much as 45%.​

Many people enjoyed the cleaner air and petitioned the government to find \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to clean it up.​