

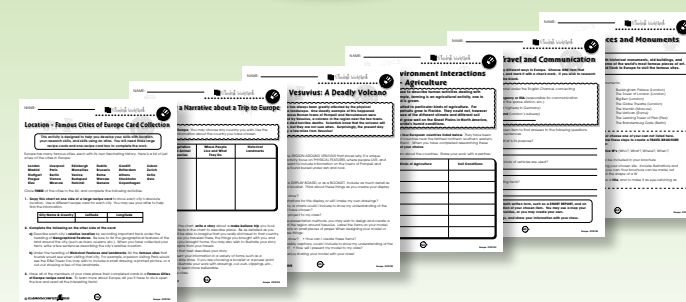
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Human/Environment Interactions

1. Complete each sentence with a word from the list. Use a dictionary to help you.

natural resources environment positive interaction conserve

- a) The word _____ describes all that surrounds us: the living things around us, the climate, the air we breathe, the water we drink, and the land we live on.
- b) _____ are those things that a country possesses that help it function. Examples are oil, water, minerals, and forests. These things are often sold to other countries.
- c) _____ means to save or to preserve something, such as fuel or a natural resource like water or trees.
- d) _____ means something that is good, helpful, or constructive.
- e) The way one thing acts on another is called an _____.

2. Read each of the examples below, and write a sentence describing how it helps preserve our environment.

- a) Taking public transportation (i.e., the bus, a train, the subway) to work or school rather than driving your car.

- b) Turning out the lights when you are not using them

- c) Throwing garbage into garbage cans

- d) Recycling



Human/Environment Interactions

Every day, the things that people do affect their **environment**. People drive to work on roads that cross lands that were once forests. We work to protect endangered species. Sometimes we build new houses on land that was once farmland. Sometimes we harm the habitats of animals with pollution. Learning about these issues is known as the study of human/environment **interactions**.



In Europe, the **population** is very large for a continent of its size. Cities are crowded and the streets are narrow. There is a great need for **natural resources** and space for the population. Plans are made daily to balance the needs of humans and the environment. Decisions are made about where new housing should be built or about how to control pollution. In London, England, motorists must pay a toll to enter the downtown part of the city to help limit traffic jams and air pollution. In other countries, people try to **conserve** energy, save fuel, and **recycle**, to help protect the natural environment. These are all **positive** human/environment interactions. Unfortunately, sometimes the things we do cause great harm to the environment.

In Europe, people rely on different sources of power to heat their homes and power their vehicles. In April 1986, an accident occurred that caused a **negative** interaction with the environment. The Chernobyl nuclear plant in the Ukraine was used to generate electricity, but an explosion released deadly **radiation** in a cloud that spread across Europe. Workers managed to encase the plant in concrete to stop more radiation from escaping, but many died in the process. Thousands of people had to flee their homes, and people continue to die from the effects of the radiation that was released more than twenty years ago. To this day, it is too dangerous to return to the towns near the nuclear plant.

STOP! Why was the accident at Chernobyl a negative human/environment interaction?



Human/Environment Interactions

1. Complete the chart by putting a check mark in the correct column. Think about what you have read about positive and negative human/environment interactions when deciding where to put your check mark.

Human Action	Positive Interaction	Negative Interaction
a) Cutting down forests for roads		
b) Conserving energy		
c) Protecting endangered species		
d) Recycling		
e) Paying tolls to limit traffic jams and pollution		
f) Building homes on farmland		

2. Circle **T** if the statement is true or **F** if it is false.

T = True
F = False

- T F a) A cloud of deadly radiation from Chernobyl spread over Europe.
- T F b) Pollution has a positive affect on animal habitats.
- T F c) Many people recycle to protect the natural environment.
- T F d) Europe's population is very small for its size.
- T F e) European cities are not crowded.



Human/Environment Interactions

Answer each question with a complete sentence.

- 3. How did the accident at Chernobyl have a negative affect on the environment? Use examples from the reading in your answer.

- 4. What kinds of actions can people take to help protect the environment as we interact with it?

Research, Extensions and Applications

- 5. What kinds of programs does your school, town, or city have that were chosen because they help protect the environment? Circle which you will be researching.

my school my neighborhood my town my city

Complete a chart like the one below to help you collect your information.

My _____'s Programs	How they help protect the environment

When you have finished, create a **brochure** showing all the programs in your chosen area. Share the brochure with your class.

- 6. What things can you do at home to help better protect the environment? List them below.

- 7. Many agencies have been created to help protect the wildlife around us. Here are just a few:

World Wildlife Fund (WWF)

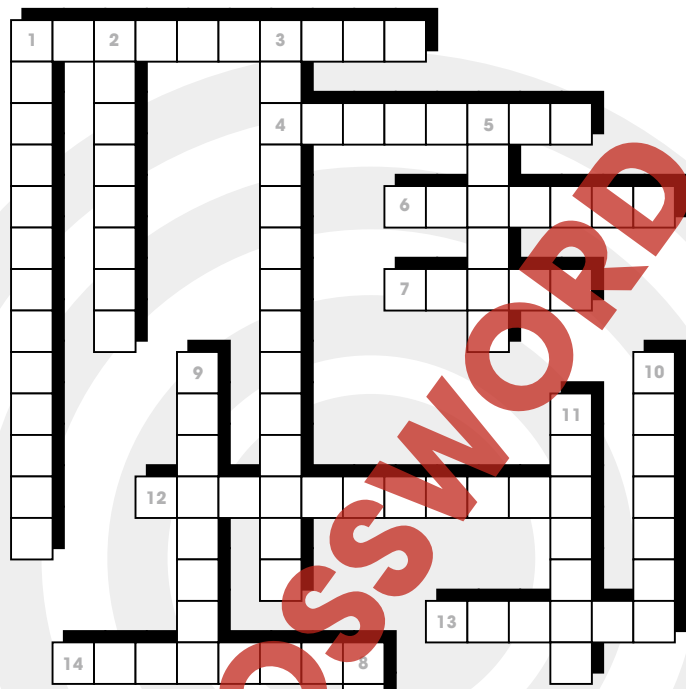
Ducks Unlimited

The American Society for the Prevention of Cruelty Against Animals (ASPCA)

Research **one** of these agencies. Find out what it does to help protect animals from harm. Share your findings with your class.



Crossword Puzzle!



Word List

physical
vineyard
unique
population
islands
hemispheres
south
absolute
prime meridian
canals
transportation
products
mistral
climate
route

Across

- 1 Europe's _____ is very large for its size
- 4 _____ location describes exactly where a place is
- 6 The temperature, rain and/or snowfall found in a place
- 7 A path taken from one place to another
- 12 Europe is found in the east and west _____
- 13 Many products are transported along _____
- 14 Things people use at home, work and school

Down

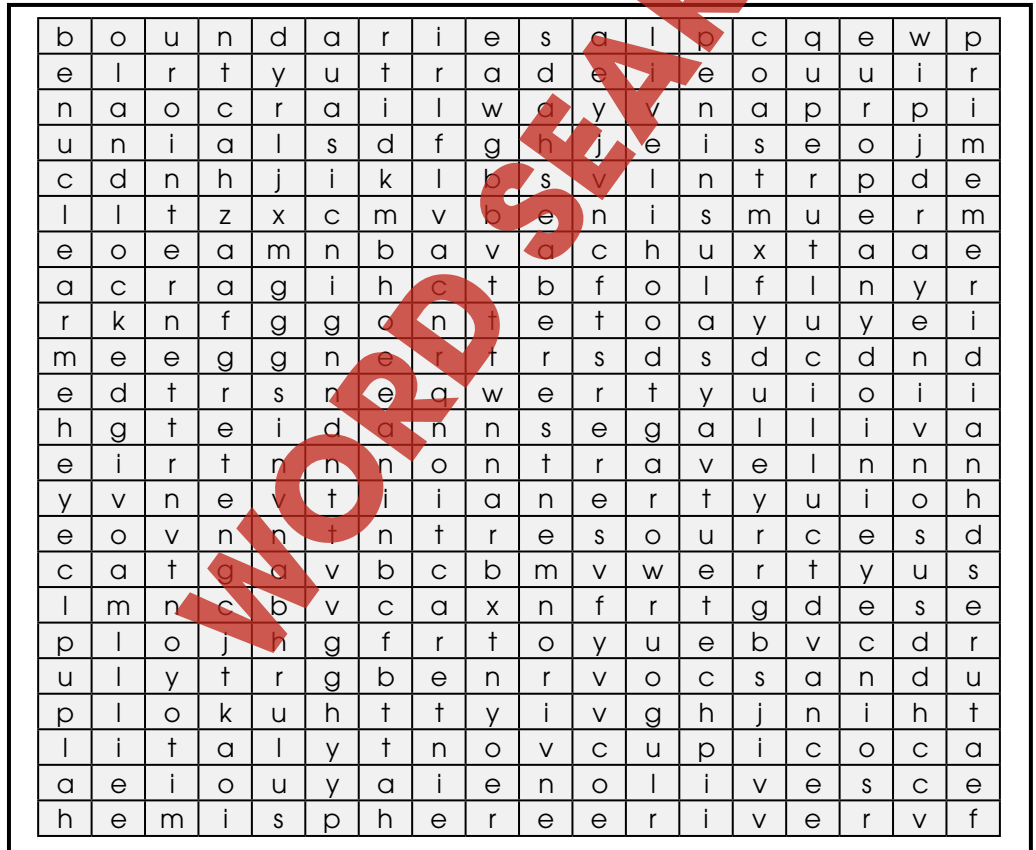
- 1 The _____ divides the world into east and west
- 2 A place can be described by _____ and human characteristics
- 3 Movement involving vehicles
- 5 A region is described by its _____ features
- 8 The Mediterranean Sea lies to the _____ of Europe
- 9 Large field where grapes are grown
- 10 Some countries in Europe are _____
- 11 Provence, France is know for its cold _____ winds



Word Search

Find all of the words in the Word Search. Words may be horizontal, vertical, or diagonal. A few may even be backwards! Look carefully!

hemisphere	nuclear	trade	features
boundaries	lavender	interaction	livelihood
landlocked	peninsula	conserve	culture
vineyard	location	railway	European
travel	climate	Internet	Italy
environment	continent	villages	river
resources	coast	prime meridian	olives



Comprehension Quiz

Part A

Circle **T** if the statement is true or **F** if it is false.

T = True
F = False

- T F a) Most of Europe is in the eastern hemisphere.
- T F b) The prime meridian divides the world into eastern and western hemispheres.
- T F c) The plants that grow in a place are called vegetation.
- T F d) Provence is a cold, snowy region of France.
- T F e) The accident at the Chernobyl nuclear plant caused thousands to move away, and caused many illnesses and deaths.
- T F f) Very few Europeans rely on the sea for their livelihoods.
- T F g) Latitude and longitude are used to find a place's absolute location.
- T F h) River and rail travel are very important in Europe.

Part B

Label the map by doing the following:

1. Show the following features on the map by writing the letter on the map in the correct location.

- a) Europe
- b) Asia
- c) Africa
- d) Atlantic Ocean
- e) Mediterranean Sea

2. Color the prime meridian red.



SUBTOTAL: /14

Europe Physical Map





Human/Environment Interactions

Answer each question with a complete sentence.

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Research, Extensions and Applications

- 5. What kinds of programs does your school, town, or city have that were chosen because they help protect the environment? Circle which you will be researching.

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 my town
 my city

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- 7. Many agencies have been created to help protect the wildlife around us. Here are just a few:

World Wildlife Fund (WWF) **Ducks Unlimited**
The American Society for the Prevention of Cruelty Against Animals (ASPCA)

Research **one** of these agencies. Find out what it does to help protect animals from harm. Share your findings with your class.

3.

Possible answers:
Killed many people, area is uninhabitable, etc.

4.

Answers will vary (i.e., conserve energy, recycle, save fuel, etc.)

5.

Answers will vary

6.

Possible Answers:
turn off lights, wash clothes in cold water, recycle, etc.

7.

Answers will vary

Across:

- 1. population
- 4. absolute
- 6. climate
- 7. route
- 12. hemispheres
- 13. canals
- 14. products

Down:

- 1. prime meridian
- 2. physical
- 3. transportation
- 5. unique
- 8. south
- 9. vineyard
- 10. islands
- 11. mistral



EASY MARKING ANSWER KEY