

ECOSYSTEMS AND BIOMES

TEXT MARKING DETECTIVE

SYSTEMS AND BIOMES

...d biomes work together and often get confused for...
...the difference? An ecosystem is the way plants, animals,
...survive together in a specific geographical area. An
...as small as a puddle or patch of grass, or as large as
...square miles. A biome is a large group of similar ec
...location, such as deserts, rainforests, and grassland pla
...there is no one organism, plant, or animal that can e
...ning that lives on Earth needs other things in order to
...ing the way living organisms interact with one another
...d sunlight around them, and survive together. There are se
...d aquatic biomes on Earth. The land biomes include '...
...s, Savanna, Taiga Forest, Temperate Forest, Tropic
...The aquatic biomes include Coral Reef, Marine, an
...s.
...The Desert biome is mostly defined by a lack of rr
...ing less than 10 inches per year. There are hot an
...e Sahara in Africa is the largest hot and dry deser
...million square miles.
...A Grassland biome is land filled with grass ar
...experiences a hot summer and cold winter. The f
...Steppes in Russia and Asia, and the Pampas in
...the Grassland biome.
...The Savanna biome is the tropical exter
...Africa. It contains lots of grassland and wa
...are typically located
...known as a b
...here.

CASE FILE

... Name

Cross off the images you use as an answer. What remains will solve the case!

SUSPECTS

LOCATION

EVIDENCE

© Think Tank Too

...es in
...are a part of
...biome?

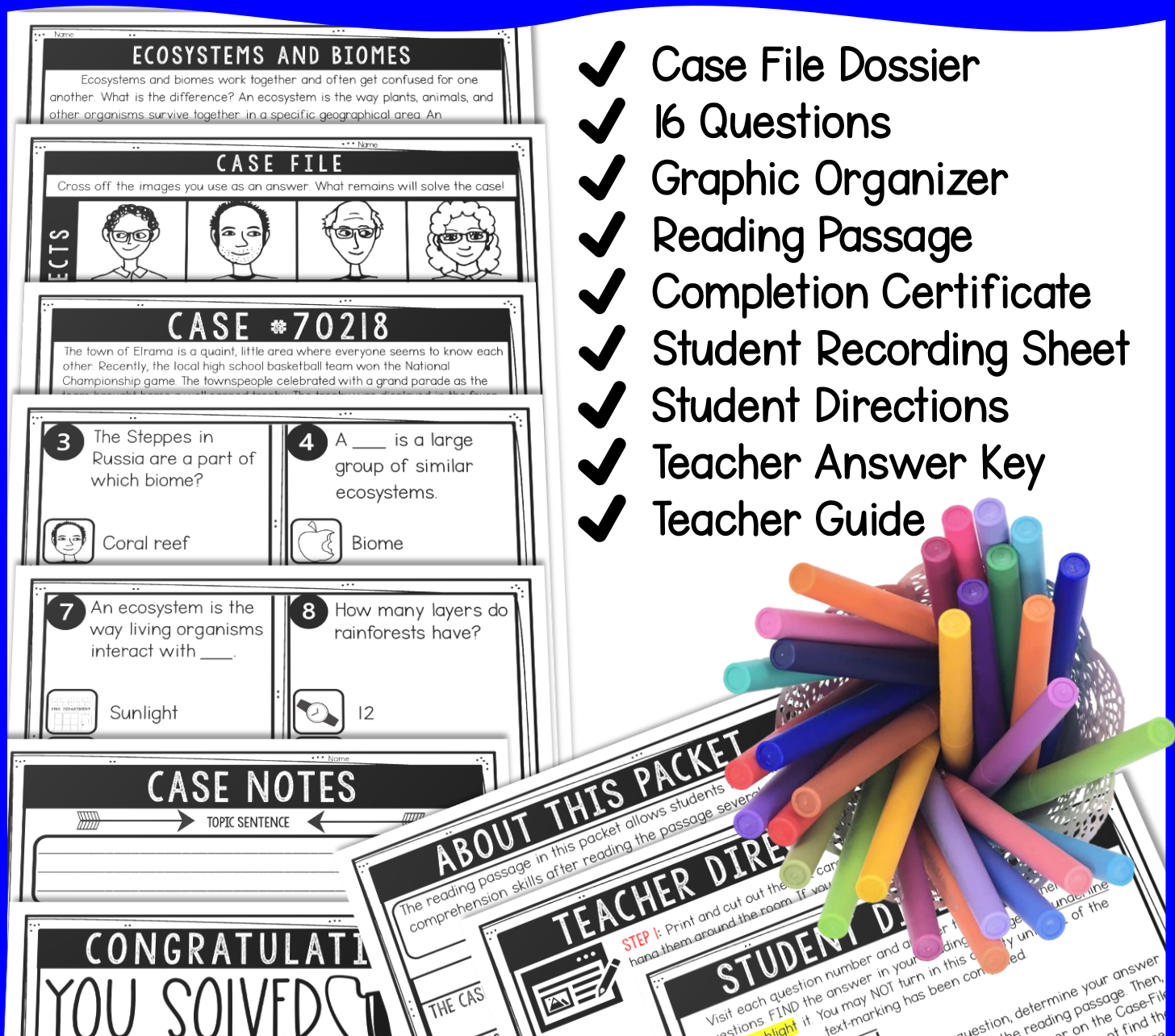
4 A ___
group
ecosyst
Biome
Taiga
Ecology
None of the

6 There are ___ la
biomes on Earth.

3
7

THINK TANK

WHAT'S INCLUDED?



ECOSYSTEMS AND BIOMES
Ecosystems and biomes work together and often get confused for one another. What is the difference? An ecosystem is the way plants, animals, and other organisms survive together in a specific geographical area. An

CASE FILE
Cross off the images you use as an answer. What remains will solve the case!

ECOSYSTEMS

CASE #70218
The town of Elrama is a quaint, little area where everyone seems to know each other. Recently, the local high school basketball team won the National Championship game. The townspeople celebrated with a grand parade as the

3 The Steppes in Russia are a part of which biome?
Coral reef

4 A ____ is a large group of similar ecosystems.
Biome

7 An ecosystem is the way living organisms interact with ____.
Sunlight

8 How many layers do rainforests have?
12

CASE NOTES
TOPIC SENTENCE

CONGRATULATIONS YOU SOLVED IT!

ABOUT THIS PACKET
The reading passage in this packet allows students to practice reading comprehension skills after reading the passage several times.

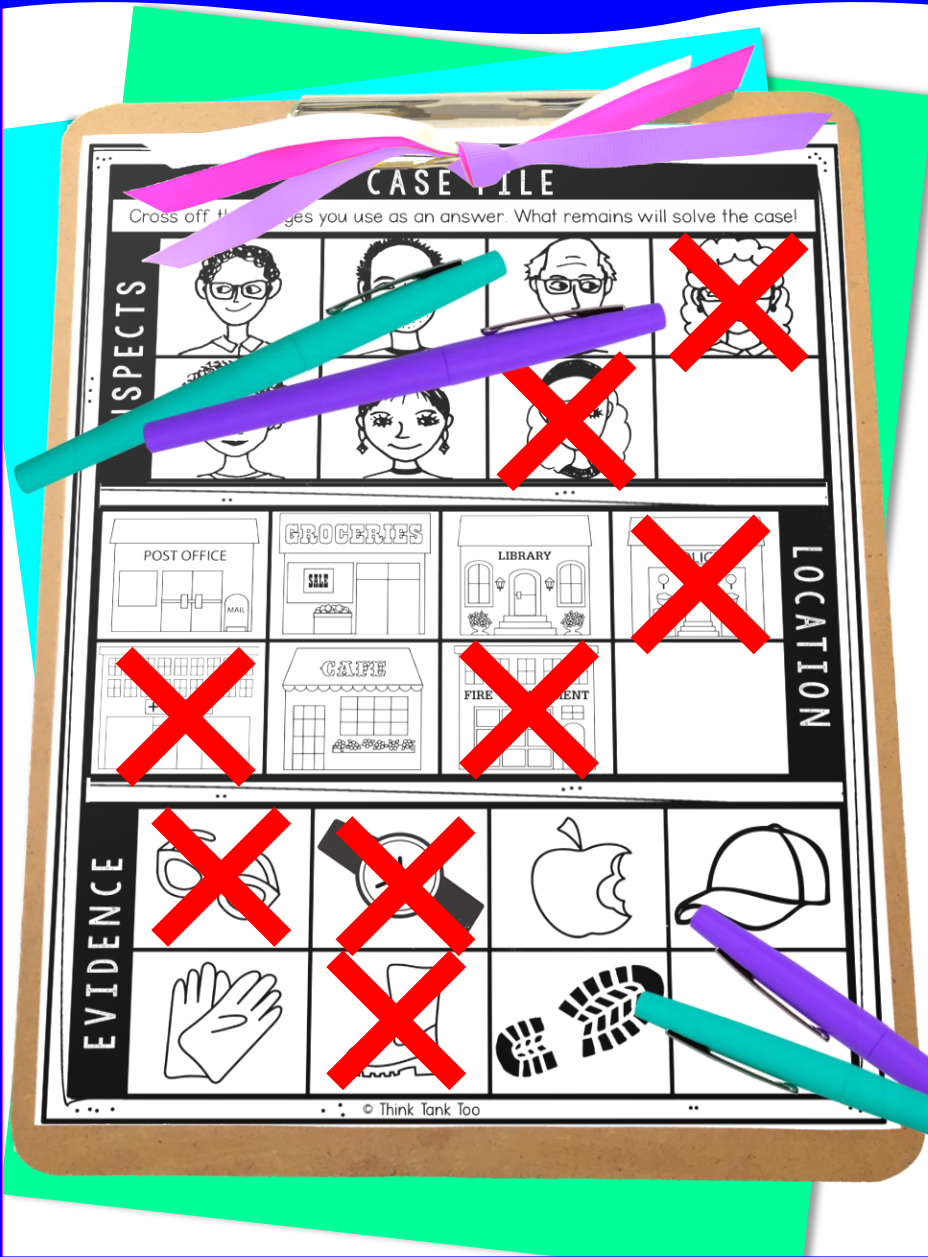
TEACHER DIRECTIONS
STEP 1: Print and cut out the pages. You can have them around the room. If you have a lot of students, you can have them around the room. If you have a lot of students, you can have them around the room.

STUDENT DIRECTIONS
Visit each question number and answer the question. FIND the answer in your reading passage. Underline the answer. You may NOT turn in this case file until you have underlined the answer. If you have underlined the answer, you may turn in this case file. If you have underlined the answer, you may turn in this case file.

- ✓ Case File Dossier
- ✓ 16 Questions
- ✓ Graphic Organizer
- ✓ Reading Passage
- ✓ Completion Certificate
- ✓ Student Recording Sheet
- ✓ Student Directions
- ✓ Teacher Answer Key
- ✓ Teacher Guide





CASE DOSSIER





As students answer each question, they will eliminate suspects, locations, and evidence.






18 QUESTIONS





CONGRATULATIONS YOU SOLVED THE CASE!
DETECTIVE NAME: _____



3 The Steppes in Russia are a part of which biome?
 Coral reef
 Tundra
 Grasslands
 Rainforest

4 A _____ is a large group of similar ecosystems.
 Biome
 Taiga
 Eco
 N





5 The Desert biome gets less than _____ inches of rain per year.
 10,000
 1,000
 100



6 The _____

7 An ecosystem is the way living organisms interact with _____.
 Sunlight
 Water
 One another
 All of the above








9 The Coral Reef biome is usually located in _____ water.
 Deep ocean
 Shallow water

10 What trees called _____

16 Coral reef biomes include fringe, barrier, and _____ reefs.
 Atoll
 Archipelago
 Canopy
 Pressure

18 What is also known as a boreal or coniferous forest?
 Tundra
 Steppe

CASE FILE
Cross off the images you use as an answer. What remains will solve the case!

SUSPECTS

GROCERIES **LIBRARY** **POLICE**

TEXT MARKING

After answering each question, students will find evidence in the text to support their answer.

ECOSYSTEMS AND BIOMES

Ecosystems and biomes work together and often get confused for one another. What is the difference? An ecosystem is the way plants, animals, and other organisms survive together in a specific geographical area. An ecosystem can be as small as a hole or patch of grass or as large as several hundred square miles. A biome is a group of similar ecosystems regardless of their location, such as forests, deserts, and grassland plains.

One organism, plant, or animal that can exist by itself on Earth needs other things in order to live. An ecosystem is the way living organisms interact with one another, the water, air, soil, and sunlight around them, and survive together.

Ecosystems are all a part of a larger biome. There are seven land biomes and three aquatic biomes on Earth. The land biomes include the Desert, Grasslands, Savanna, Taiga Forest, Temperate Forest, Tropical Rainforest, and Tundra. The aquatic biomes include Coral Reef, Marine, and Freshwater biomes.

The Desert biome is mostly defined by a lack of rain and moisture totaling less than 10 inches per year. There are hot and cold deserts on Earth. The Sahara in Africa is the largest hot and dry desert in the world covering 3.5 million square miles.

A Grassland biome is filled with grass and wildflowers and usually experiences hot summer and cold winter. The prairies in North America, the Steppes in Russia, and the Pampas in South America are all part of the Grassland biome.

A Savanna biome is a tropical extension of the grassland biome in Africa and contains both grassland and warm temperatures that draw herds of animals. Savannas are typically located near the equator.

The Taiga Forest, also known as a boreal or coniferous forest, is the coldest and driest of the forest. There are lots of evergreen trees and many lakes. It is found north of 50 degrees latitude and the Arctic Circle in North America, Canada, Russia, and Siberia.

