

Ecology Concepts Cipher Puzzle Bundle

- Students solve problems to discover a secret message
- NO PREP, NO MARKING, NO MATERIALS

Students use clues to answer questions and their answers reveal a hidden message.

Predator, Prey, and Symbiosis Cipher Puzzle

Instructions: Read each ecology clue and identify the relationship, role, or interaction. Use the Predator, Prey, and Symbiosis Cipher Key to find the cipher number for that term; then convert the number to a letter using the chart below. A = 1, B = 2, C = 3, and so on. Write the letters in order and add spaces to reveal the hidden message.

Predator, Prey, and Symbiosis Cipher Key

Role/Term	Number	Role/Term	Number
Predator	19	Host	20
Prey	16	Parasite	18
Mutualism	5	Predator-prey relationship	1
Commensalism	3	Symbiosis	4
Parasitism	9	Cooperation	12
Competition	14	Resource competition	25

Student Questions

#	Clue	Role/Term	Cipher Number	Letter
1	A lion catches and eats a zebra. What role does the lion have?			
2	A mouse is hunted and eaten by an owl. What role does the mouse have?			
3	Bees get nectar from flowers and help spread pollen. What relationship is this?			
4	A barnacle attaches to a whale and benefits while the whale is unaffected. What relationship is this?			
5	A tick feeds on blood from a deer and harms the deer. What relationship is this?			
6	Cleaner fish eat parasites from larger fish, and both organisms benefit. What relationship is this?			
7	A hawk hunts and catches a snake. What role does the hawk have?			
8	A tapeworm lives inside a dog and takes nutrients from it. What relationship is this?			
9	Two bird species are both trying to use the same nesting area. What general interaction is this?			
10	A dog has fleas feeding on its blood. What role does the dog have?			
11	Fungi help plant roots absorb minerals, while the plant gives the fungi sugars. What relationship is this?			
12	A leech attaches to a fish and feeds on its blood. What role does the leech have?			
13	A fox hunts a rabbit, and the rabbit is eaten. What type of feeding relationship is shown?			
14	Cattle egrets eat insects stirred up by cattle, while the cattle are unaffected. What relationship is this?			
15	A tree loses water and nutrients to mistletoe. What role does the tree have?			
16	A close, long-term relationship between two different species is called what?			
17	A spider catches and eats a fly. What type of feeding relationship is shown?			
18	A fungus causes disease in a plant and gets nutrients from it. What relationship is this?			
19	African wild dogs hunt together in packs. What interaction among the same species is this?			
20	Two deer feed on the same limited grass during a dry season. What kind of competition is this?			

Number-to-Letter Chart

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T

Hidden Message: _____



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2	A mouse is hunted and eaten by an owl. What role does the mouse have?	Prey	16	P

SCROLL
to take a look inside!



NO PREP, MATERIALS, OR MARKING

HOW THESE ACTIVITIES HELP YOU

- The Bundle includes many different Ecology Concepts from Ecosystems to Energy Flow to Predator-Prey Relationships and so much more.
- Saves Prep Time - Everything is pre-made, ready to go, and fully editable.
- Provides Built-In Assessments - The activity lets students self-assess and lets you quickly check for understanding.
- Perfect for: Review, Practice, Homework, and more!

MULTIPLE QUESTION TYPES THAT CHECK FOR UNDERSTANDING

Example

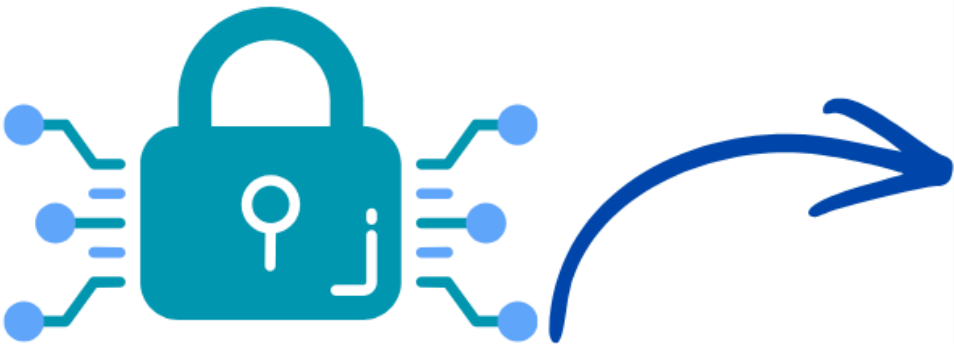
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Full Teacher Answer Key



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6	Cleaner fish eat parasites from larger fish, and both organisms benefit. What relationship is this?			
7	A hawk hunts and catches a snake. What role does the hawk have?			
8	A tapeworm lives inside a dog and takes nutrients from it. What relationship is this?			
9	Two bird species are both trying to use the same nesting area. What general interaction is that?			
10	A dog has fleas feeding on its blood. What role does the dog have?			
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13	A fox hunts a rabbit, and the rabbit is eaten. What type of feeding relationship is shown?			
14	Cattle egrets eat insects stirred up by cattle, while the cattle are mostly unaffected. What relationship is this?			
15	A tree loses water and nutrients to mistletoe. What role does the tree have?			
16	A clown fish lives in a sea anemone. What relationship is this?			

Students Use Clues to Answer Questions. Their Answers Reveal a Hidden Message.

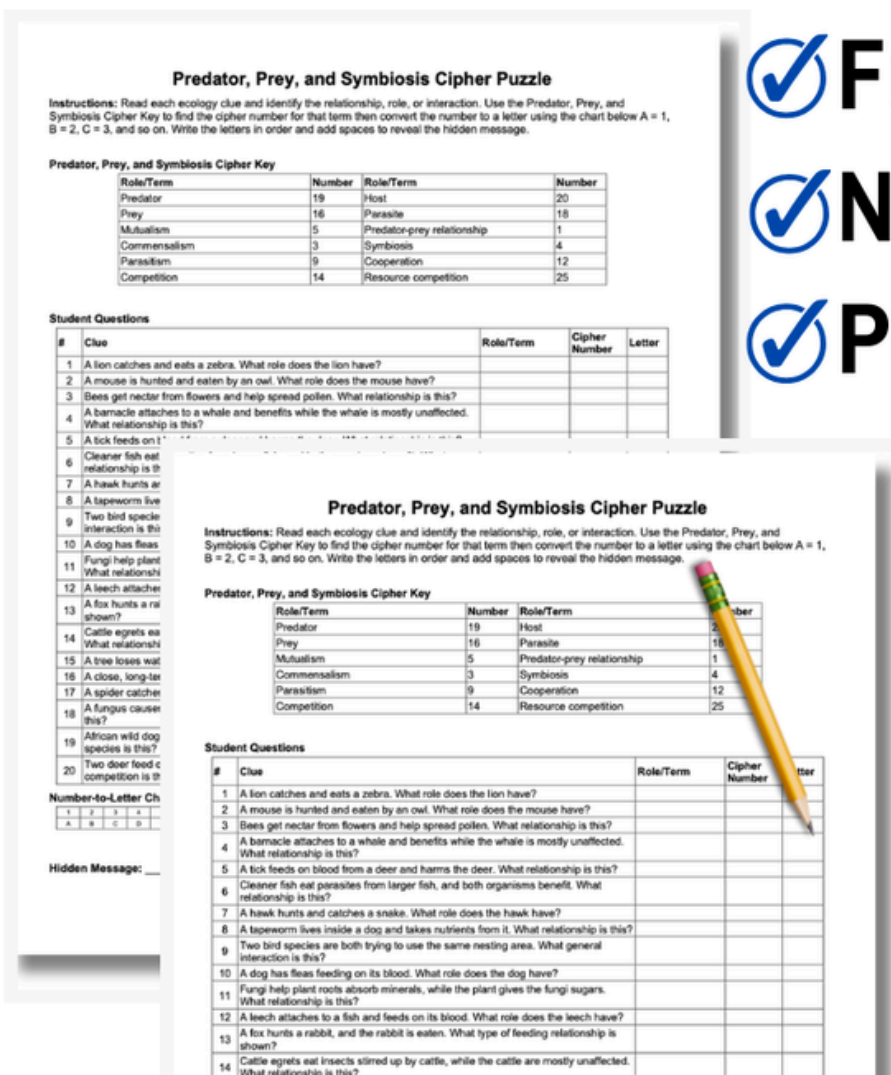
What Will Your Students Learn?

SIMPLY DOWNLOAD AND
GIVE TO YOUR STUDENTS

- ✓ Full Answer Key
- ✓ No Prep, Just Print
- ✓ Perfect for

- Review
- Practice
- Additional work for early finishers

- Food Chains, Food Webs, and Ecosystem Roles
- Producers, Consumers, Decomposers, and Trophic Levels
- Energy Pyramids, Biomass, and the 10% Energy Rule
- Predator-Prey Relationships, Competition, and Symbiosis
- Photosynthesis, Cellular Respiration, and Energy Flow
- Invasive Species and Human Impacts on Ecosystems



NO PREP or Materials

Classroom Fit Guarantee

I want you to feel confident when you purchase from Teach With Fergy. If a resource is not the right fit for your students, simply contact me and I'll provide double your purchase amount in store credit toward another resource in my store.



- A collection of student-friendly ecology cipher activities designed to reinforce key ecosystem concepts through puzzle-based practice.
- **Clear Instructions**
 - Students solve each clue and extract letters to decode a hidden message.
- **Reinforces:**
 - Food chains and food webs
 - Producers, consumers, decomposers, and trophic levels
 - Energy pyramids, biomass, and the 10% energy rule
 - Predator-prey relationships, competition, and symbiosis
 - Photosynthesis, cellular respiration, and energy flow
 - Invasive species and human impacts on ecosystems
- **Students use their answers to decode a hidden message.**
- **Includes all ecology ciphers.**
- **Full answer key includes all correct answers and extracted letters.**
- **No-Prep Resource**
 - Ready to print or assign digitally for review, practice, or sub plans.

What You Get

Students Use Their Answers to Reveal a Hiddle Message

1. For each clue, write the answer in the ‘Answer’ column.

2. Identify the letter to be extracted using the “Letter position” column.

3. Write the letter in the ‘Letter extracted from Answer’ column.

4. Write your letters in order below the table to reveal the hidden message.

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3	C
4	D
5	E
6	F
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8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P
17	Q
18	R
19	S
20	T
21	U
22	V
23	W
24	X
25	Y
26	Z

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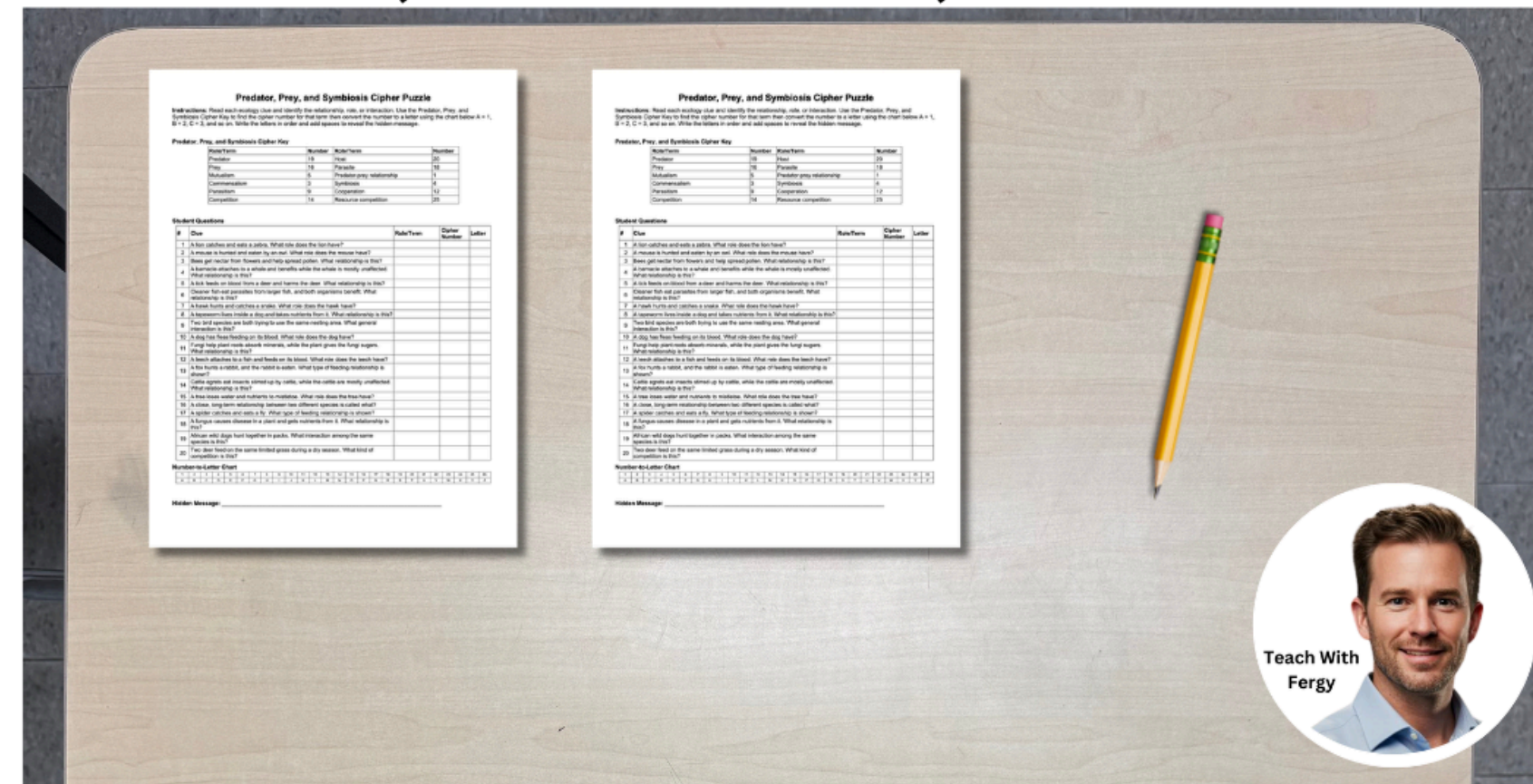
Your Activities

- Are a fun and interactive way to reinforce concepts and study
- **DIGITAL** and **PRINT** ready
- **FULLY EDITABLE**
- Complete Answer Key



Ecology Cipher Puzzles

- The bundle includes a variety of ecology concepts
- **NO PREP, NO MARKING, NO MATERIALS**



NO PREP, MATERIALS, OR MARKING

Thanks
**for your interest
in this resource!**

I am a real person and if
you have any questions,
suggestions, or concerns,
please reach out.



devon@teachwithfergy.com

TWF

Teach With Fergy

*Let's
Connect!*

