



AT-HOME ACTIVITY

Habitat Mapping Game

Big Idea: A habitat is a place where plants and animals have the food, water, and shelter that they need to survive. Sometimes roads, buildings, railroads, and other human-made construction, or natural disasters, break up habitats and separate animals from the things they need.

Explore: All animals need food, water, and shelter to survive. Pick an animal and learn about its habitat. Record your findings below.

Animal	What kind of animal did you choose?	
Habitat	What type of habitat does it live in? (forest, city, ocean, etc.)	
Food	What does the animal eat?	
Water	Where does it get water to drink?	
Shelter	Where does it make its home?	

Record: Make a map of your animal’s habitat, using the grid on the “Habitat Map” page. Follow the instructions on that sheet and be sure to include all the things your animal needs.

Explore: See what happens when human construction divides a habitat by playing the Habitat Game with a partner.

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For more *Cyberchase* adventures with habitats, watch “Creech’s Creature Quandary” on pbskids.org/cyberchase.

Funding for *Cyberchase* is provided by The JPB Foundation, the Heising-Simons Foundation and Ernst &Young LLP. Additional funding is provided by Lynne and Marc Benioff, the Tiger Baron Foundation, Shailaja and Umesh Nagarkatte and Ellen Marcus.

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HABITAT MAP

Think of an animal and draw its food, water, and shelter in the grid below. Choose one or more boxes on the chart for the animal's food and draw it in those boxes. Choose a location for the water in the habitat and draw it in a box. Decide where your animal's home is and draw it in another box.

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						

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INSTRUCTIONS

Part 1

1. Sit at a table facing your partner. Pick one person to be “Person A” and one to be “Person B”.
2. Put up a divider, like a book or a box, in between the two of you on the table.
3. Person A gets the “Habitat Map” in front of them. Person B gets the “Road Map”. (Don’t draw anything on the “road map” before starting the game.)

TIP: Make sure you can’t see your partner’s paper.

4. Both partners can use a coin, a paper clip, or some other small object to be the animal in the habitat. Both animals start on square A1.

TIP: If you don’t have a small object, use your finger as the animal.

5. Person A gives directions out loud to Person B to tell them where to move the animal on the chart in order to get to the food, shelter, or water. For example, “Move straight ahead to A4. Turn right and go down to D4.”
6. Person B moves the object to follow the instructions. If the animal runs into part of the road on the “Road Map”, call out “Road!”
7. Person A and B both need to go back to A1 and try again. Person A gives directions again, this time trying a different path.
8. Try doing this three times to see if you can work together to get your animal to the food, water, and shelter it needs. Note: The road goes through the habitat. You might not be able to find a path that gets your animal to the food, shelter, and water.

Reflect:

- When the road went through the habitat, could your animal get to all the things it needed?
- How could you fix the habitat so that the animal could get to everything again?

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AT-HOME ACTIVITY
Habitat Mapping Game
INSTRUCTIONS

Part 2

1. Go back to the “Road Map” and draw in bridges or tunnels for your animal to cross the road.
2. Play the game again with Person A giving instructions and see if you can get your animal to their food, shelter, and water using the animal crossings.
3. Take turns being Person A and Person B to see all the different ways that your animal can travel through its habitat.



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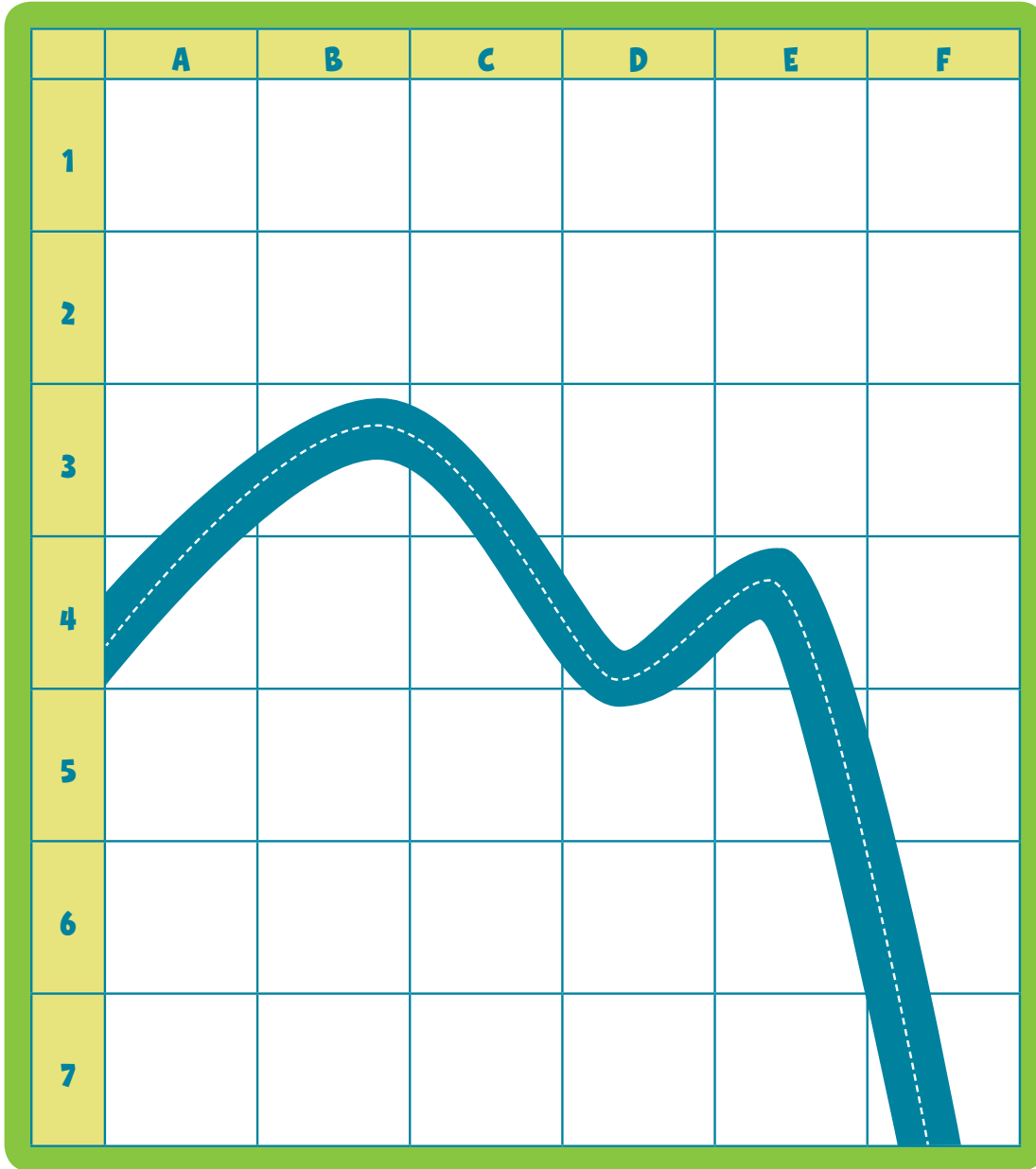
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AT-HOME ACTIVITY
Habitat Mapping Game
ROAD MAP

Use this “Road Map” to play the Habitat Game.



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