

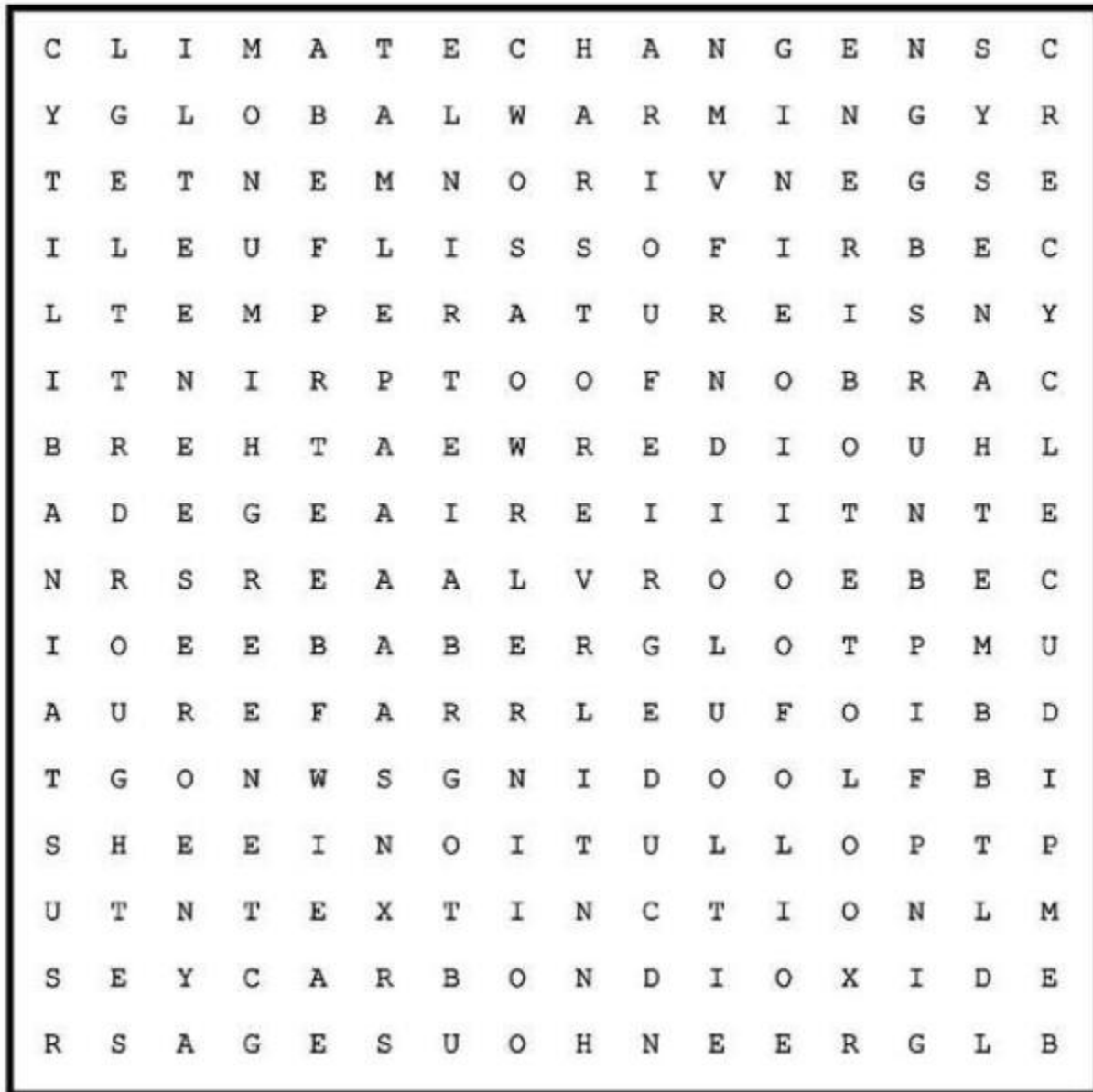
Name:

TA:

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Climate Change – Human Causes

There are 20 climate change related words in the following word search. Can you find all twenty without having the list of words?



Name:

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1) a) Why do humans cut trees to the point of deforestation?

b) How does deforestation affect wildlife?



c) Why is deforestation a difficult problem to fix?

2) a) Why does plastic waste have a long-lasting effect on the environment?

b) How does plastic waste affect the environment?

3) a) How does human garbage affect the environment?



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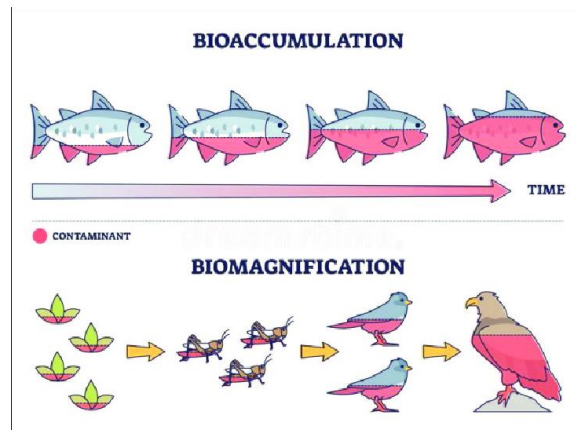
b) Why is it difficult and damaging to the environment to destroy garbage in general?

c) If garbage hurts animals, and animals eat plants that remove CO₂ from the air, why should we care if we hurt animals?

4) a) How do oil spills hurt the environment?

b) How are oil spills cleaned up?

5) a) Explain what the word **Bioaccumulation** means.



b) Explain what the word **Biomagnification** means.

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c) Why is bioaccumulation and biomagnification important in the environment?

d) How do humans cause toxic bioaccumulation and biomagnification **and** how do they affect humans?

6) Describe a few other ways humans hurt the environment and contribute to climate change.



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- 7) From the following story, identify **and explain** parts of Renardo and his family's life that have a direct impact on each climate change category.

Renardo wakes up in the morning and has breakfast. Once finished, they throw their scraps into the garbage, since their family does not have a compost bin because they are smelly. They have a large bath before school and then their parents drive them for 5 minutes in the old pick-up truck. They pass a construction site on their way to school, where a wooden house is being built, with above ground telephone lines. The area used to be an old creek with frogs, fish, birds, and other wildlife.

Once at school, it is a cold day, so the teacher turns increases the heat with the thermostat. Everyone watches the lesson. During which, the teacher's plastic marker runs out and is thrown into the garbage. At lunchtime, Renardo hears about the big story that Japan had an earthquake, and their nuclear reactor was hit by a resulting tsunami, causing a meltdown at their nuclear powerplant.

On the way back from school, Renardo's family pulls to the side of the road near the city's wastewater reservoir. They realize the pick-up truck is leaking oil everywhere. Annoyingly, they have to repair the damage while listening to the planes take-off from the nearby airport. Renardo's father throws the old part into the waste pond and the family head home for the day.

Deforestation:

Greenhouse

gases:

Plastic:

Garbage:

**Oil and nuclear
waste:**

Other:

Name:

TA:

Date: