**It’s Getting Hot in Here**

Multiple Choice

1. Recall what global temperatures have been doing since the Industrial Revolution.
2. Increasing even faster than usual.
3. Increasing at the same rate as usual.
4. Increasing slower than usual.
5. Decreasing.
6. Select whether the following statement is true or false.

Due to the greenhouse effect, temperatures everywhere are increasing.

1. True
2. False
3. State whether humans are causing global temperatures to increase.
4. Yes, entirely
5. No
6. Yes, partially
7. Nobody knows
8. Recall how many of the 17 hottest years on record have occurred since the year 2000.
9. 0
10. 10
11. 15
12. 16
13. Recall what permafrost is.
14. Soil that has been frozen for over 2 years.
15. Soil that has been frozen for over 10 years.
16. Ice that has been in your freezer since you bought it.
17. Ice that cannot physically be melted.
18. Select whether the following statement is true or false:

Permafrost contains old plants and animals which decompose when thawed.

1. True
2. False
3. Name the two greenhouse gases that are produced when permafrost thaws.

Pick two options

Select ALL correct options

1. Oxygen
2. Methane
3. Carbon dioxide
4. Nitrogen dioxide
5. Select the option that best describes a positive feedback loop.
6. When two effects lead to the same result.
7. When two effects keep counteracting each other.
8. When two effects keep enhancing each other.
9. When you're happy and you do a flip.
10. Select whether the following statement is true or false:

Permafrost is full of nitrogen dioxide.

1. True
2. False
3. Select whether the following statement is true or false:

Permafrost contains old plants and animals which decompose when thawed.

1. True
2. False
3. Select whether the following statement is true or false:

Permafrost covers 24% of the Earth's surface.

1. True
2. False
3. Select whether the following statement is true or false:

Permafrost contains bubbles of methane gas, due to anaerobic (oxygen-free) decomposition.

1. True
2. False
3. Select whether the following statement is true or false:

The relationship between thawing permafrost and climate change is a negative feedback loop.

1. True
2. False
3. Select whether the following statement is true or false:

Permafrost is soil that has been frozen for over 2 years.

1. True
2. False