

Name: _____

Date: _____

Period: _____

Study Guide Foldable for Climate and Global Warming Test

Please turn-in this paper with your foldable on test day so you can use it beforehand to study

Assignments to Study for the Test:

- Homework: #1, 2 and 3
- Pre/Post Survey on Climate Change
- Carbon Cycle Activity
- Mitigation Plan Activity
- Current Event: California Drought

Directions:

- 1) Read through the list and star any questions that you do not feel confident in answering
- 2) From the group that you starred pick the top-10 questions that you feel you need to focus on the most by checking the appropriate box
- 3) Design and create a foldable or mini-poster to highlight the top-10 questions you chose in a creative and colorful way.

Need Inspiration? Look at some of the display options on the front board!

**Watch out!* The paper is thin, so markers will bleed through—consider double layering paper with glue if you need the back!

My Notes!		Study Guide Question List
Star	Check Box	
		<u>Homework #1</u>
	<input type="checkbox"/>	(1) What is the difference between weather and climate?
	<input type="checkbox"/>	(2) Where are the different climate zones on the Earth?
	<input type="checkbox"/>	(3) Name the 6 main Köppen Climates and include a brief description (words or pictures)
	<input type="checkbox"/>	(4) Describe Heat Islands
	<input type="checkbox"/>	(5) Difference between El Niño and La Niña
	<input type="checkbox"/>	(6) How does volcanic activity, sunspots and Earth's orbit effect climate?
	<input type="checkbox"/>	(7) How long ago was the last ice age?
	<input type="checkbox"/>	(8) What are a few reasons for why we have a variety of climates across our planet?
		<u>Homework #2</u>
	<input type="checkbox"/>	(9) Describe the Greenhouse Effect (words or pictures)
	<input type="checkbox"/>	(10) What is a greenhouse gas (GHG)?
	<input type="checkbox"/>	(10 B) Top 6 GHG? Which one influences climate the most?
	<input type="checkbox"/>	(10 C) If the amount of greenhouse gases increase how will temperature be affected?
	<input type="checkbox"/>	(11) What do we use Ice Cores for?
	<input type="checkbox"/>	(12) What is global warming?
	<input type="checkbox"/>	(13) Give examples of carbon sinks in the carbon cycle.
	<input type="checkbox"/>	(14A) How does deforestation contribute to global climate change?
	<input type="checkbox"/>	(14B) How does burning of fossil fuels contribute to global climate change?
	<input type="checkbox"/>	(14C) How does large-scale development contribute to global climate change?
	<input type="checkbox"/>	(15) What are the raw materials to make paper, metal & glass, compost and plastic?
	<input type="checkbox"/>	(16) Give examples of ways to personally slow global warming
	<input type="checkbox"/>	(17) How can an increase in air pollution influence global warming?
		<u>Homework #3</u>
	<input type="checkbox"/>	(18) How can the celebration of Earth Day help prevent pollution?

	<input type="checkbox"/>	(19) Give 5 examples of items that can be recycled
	<input type="checkbox"/>	(20) Why is recycling a better alternative to dumping in landfills?
	<input type="checkbox"/>	(21) What is the difference between a renewable and non-renewable resource?
	<input type="checkbox"/>	(22) Give examples of both renewable and non-renewable resources.
	<input type="checkbox"/>	(23) Why must we conserve natural resources?
	<input type="checkbox"/>	(24) What is the benefit of a compost pile versus a garbage pile?
		<u>Pre/Post Survey on Climate Change</u>
	<input type="checkbox"/>	(25) Describe how sea level is affected by global warming due to changes with the glaciers
	<input type="checkbox"/>	(26) How does an increase in global temperatures affect hurricanes?
	<input type="checkbox"/>	(27) What effect does global warming have on human breathing?
	<input type="checkbox"/>	(28) Describe the projected frequency of forest fires as a result of global warming.
		<u>Carbon Cycle Activity</u>
	<input type="checkbox"/>	(29) Is carbon ever destroyed in the carbon cycle?
	<input type="checkbox"/>	(30) Is new carbon ever created and added to the carbon cycle?
	<input type="checkbox"/>	(31) What happens to atmospheric temperature as carbon dioxide concentrations increase?
		<u>Mitigation Plan Activity</u>
	<input type="checkbox"/>	(32) What does the term mitigation mean?
	<input type="checkbox"/>	(33) What is one example of a large-scale mitigation strategy?
		<u>Current Event: California Drought</u>
	<input type="checkbox"/>	(34) Why do farmers have different water restrictions?
	<input type="checkbox"/>	(35) What are two ways residents can conserve water?