

A background image showing a room with a window on the left. Numerous colorful balls (red, blue, yellow, green, orange) are scattered throughout the air, some in sharp focus and others blurred, creating a sense of motion. The floor is covered with papers and more balls.

U2D19 –

STATIONS REVIEW

U1D19 – BELL RINGER – 11/20



Choose 1-2 questions
you generated at the
start of the unit to
answer in your
notebook.

1st per. Questions

- How does the ozone layer affect the rays of the sun?
- How does climate change affect the earth?
- What determines where the heat of the sun goes?
- How does the density of gasses in the atmosphere affect it?
- Why is earth the only planet in the solar system with a breathable atmosphere?
- How is the climate changing the atmosphere?
- How does the ozone affect the rays of the sun?
- How does climate change the earth so much?
- What determines where the heat of the sun goes?
- What is the carbon cycle?
- What is the estimated death of the human population w/ climate change?
- Will the amount of trash kill us before climate change?
- How does air pollution affect layers of the atmosphere?
- When the sun is not facing a side of the Earth, how does that affect climate and temperature?
- How does the moon affect the amount of energy in the atmosphere?

U1D19 – BELL RINGER – 11/20



Choose 1-2 questions
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start of the unit to
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notebook.

2nd per. Questions

- How do the layers of the atmosphere affect climate?
- How does the ozone layer affect climate?
- What are ways climate data is collected?
- What makes carbon move through a cycle?
- How are some ways we can control the temperature on Earth?
- How can we control climate change?
- What are ways we can repair the hole in the ozone layer?
- How can we reduce climate change?
- How does climate modeling affect the Earth?
- What is the Carbon Cycle?
- How do we prevent climate change?
- What can we do to fix the ozone layer?

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Choose 1-2 questions you generated at the start of the unit to answer in your notebook.

4th per. Questions

- How does each layer of the atmosphere work?
- How is each layer of the atmosphere different?
- How does the sun affect weather?
- How does climate modeling work?
- How does the Greenhouse Effect affect the atmosphere?
- How does the carbon cycle affect the atmosphere?
- Why is there an ozone layer?
- Why are there different layers of atmosphere?
- How do you model climate change?
- What do the layers of the Earth (atmosphere) do?
- Why is climate change increasing?
- How does the carbon cycle affect the Earth?
- How can we reduce climate change?
- How does climate affect larger cities?
- What is climate?
- How does electromagnetic + other rays/satellites affect our atmosphere?
- What type of energies does the atmosphere produce?
- How much impact does energy have on climate?

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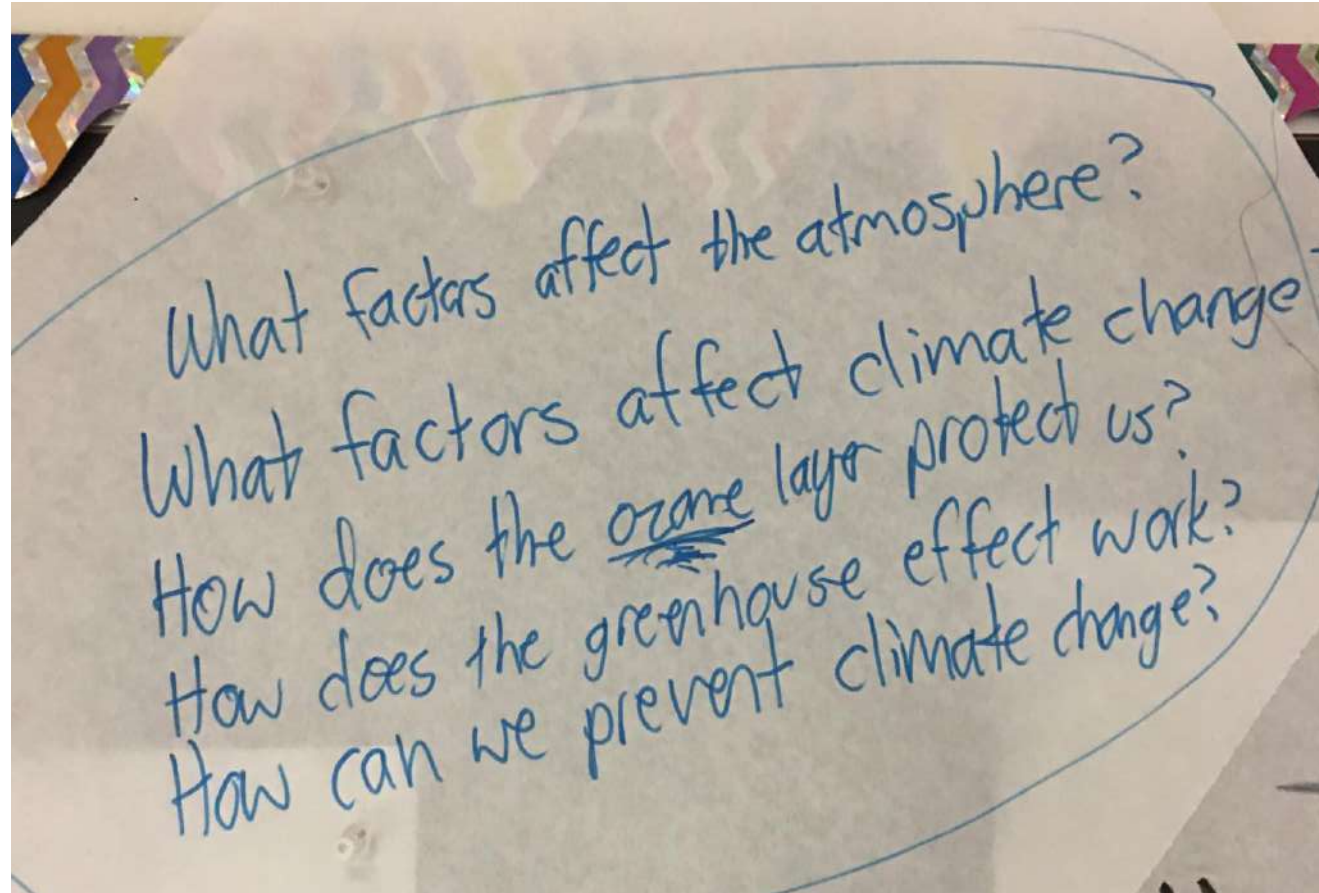
Choose 1-2 questions
you generated at the
start of the unit to
answer in your
notebook.

- 6th per. Questions
- How does the sun affect our climate?
 - How does temperature affect our climate?
 - How does the atmosphere change how the energy comes / works on Earth?
 - Where is the ozone layer? What does it affect?
 - Why are there so many layers in the atmosphere?
 - Why does climate change exist?
 - How do greenhouse gasses relate to the greenhouse effect?
 - How does the carbon cycle affect the atmosphere?
 - What causes the Northern Lights + how does it affect the Earth?
 - Is the carbon cycle important to the Earth's atmosphere + why?
 - How do seasons change?
 - What are the layers of the atmosphere + why are they important?
 - What do each of the layers of the atmosphere do?
 - How does the greenhouse effect affect us?
 - How does the Carbon Cycle work?
 - How do you track climate data?
 - What makes the seasons change?
 - What are some big factors in climate change?

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Choose 1-2 questions you generated at the start of the unit to answer in your notebook.



OBJECTIVES



Content Objective: Review convection currents, greenhouse effect, carbon cycle, and layers of the atmosphere.



Language Objective: Model explanations using drawings and written labels.

REVIEW STATIONS – SHORT ANSWER PRACTICE

5

Number off 1-4



4 minutes to complete the task at each station in your notebook.



1 minute to explain it to a peer, 1 minute to listen to a peer.

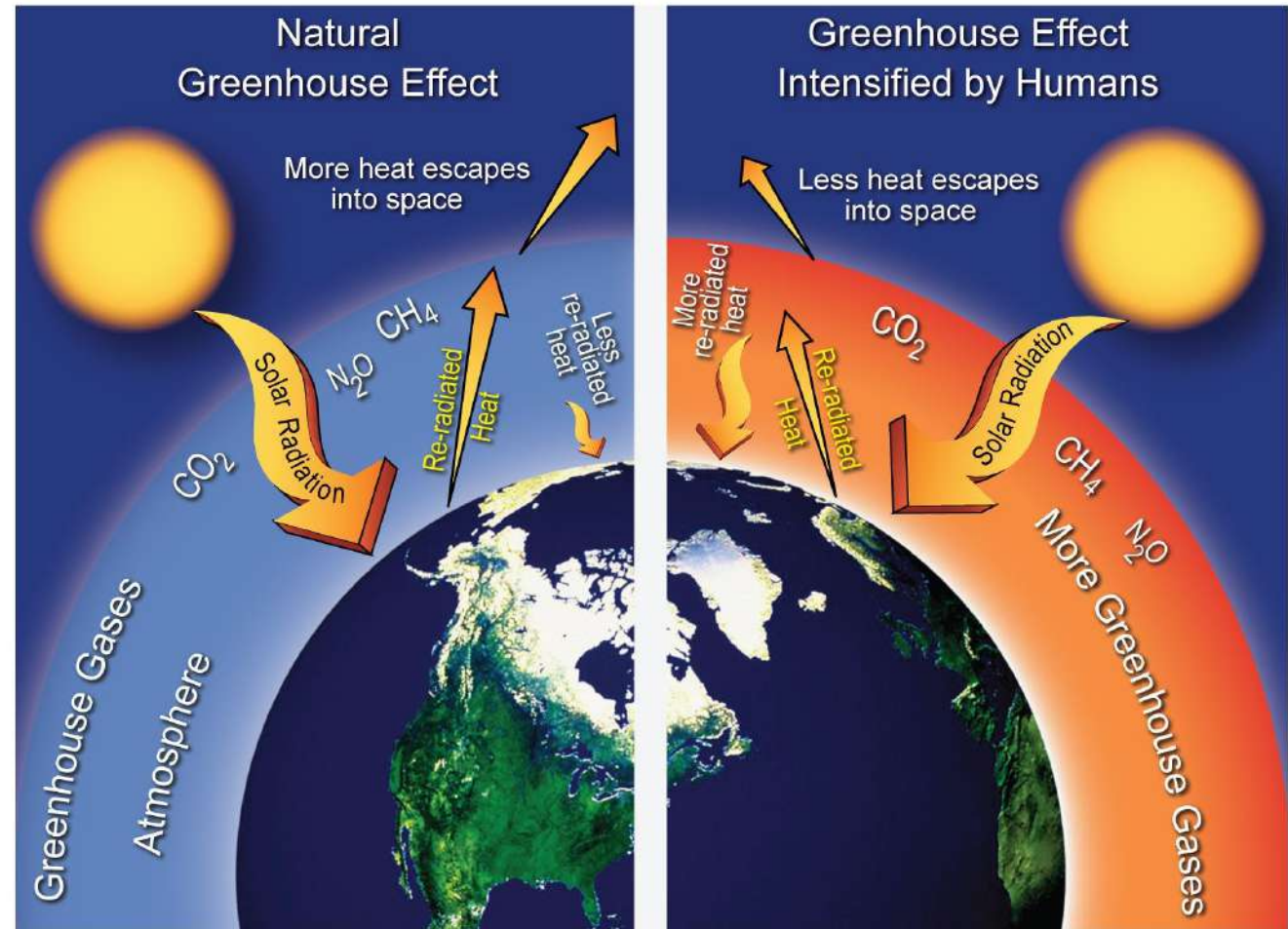
Review Station – Greenhouse Effect

1) Greenhouse Effect

Draw a diagram of the greenhouse effect, include:

- Natural Greenhouse Effect vs. Human Enhanced Greenhouse Effect
- 2 Greenhouse Gases and their sources

Human Influence on the Greenhouse Effect

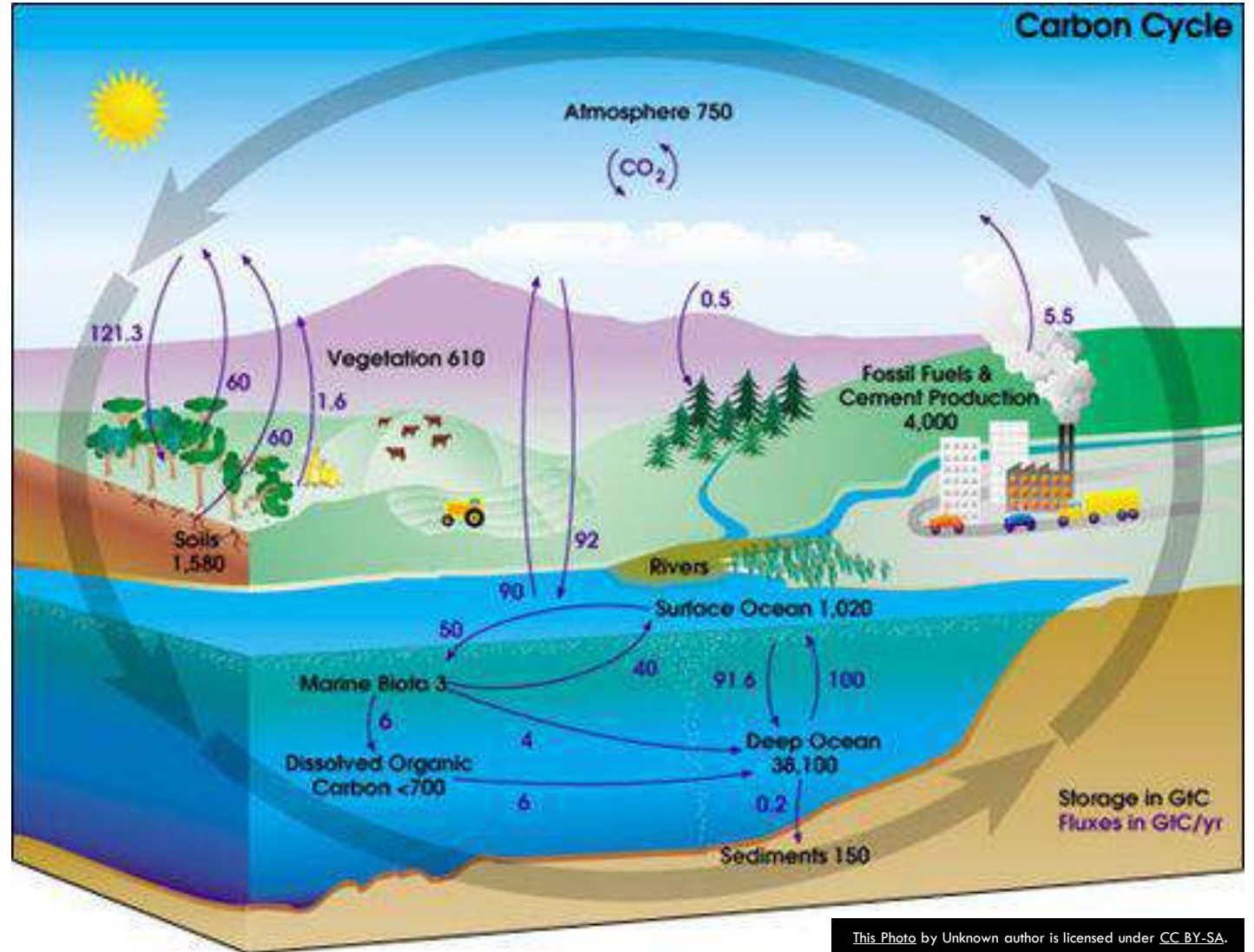


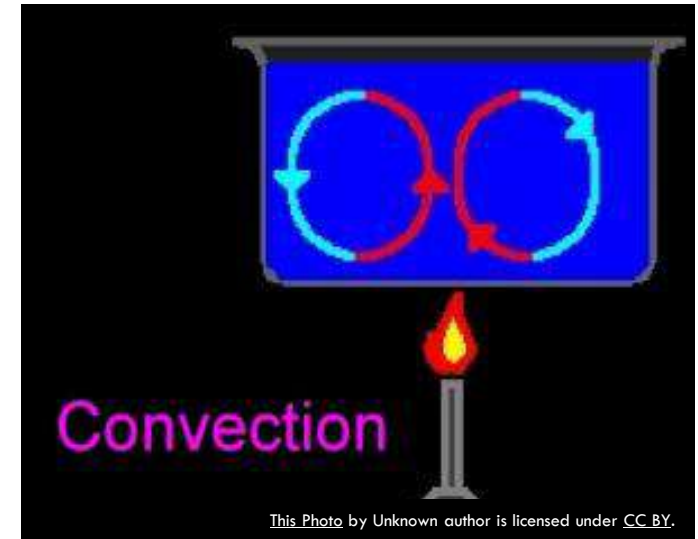
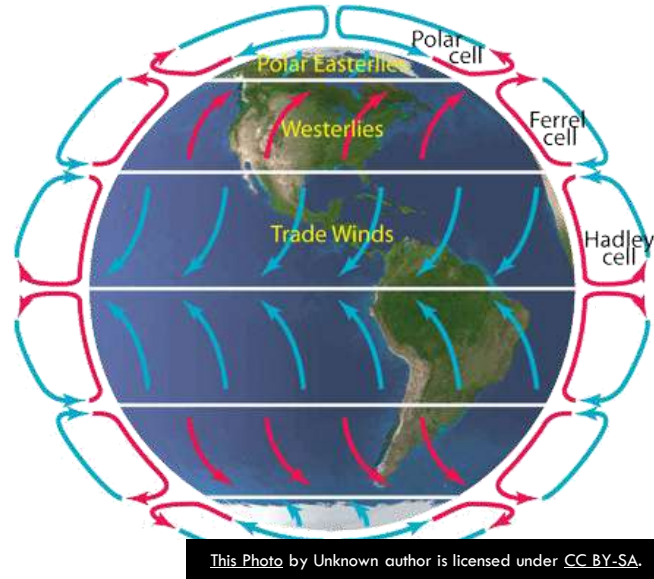
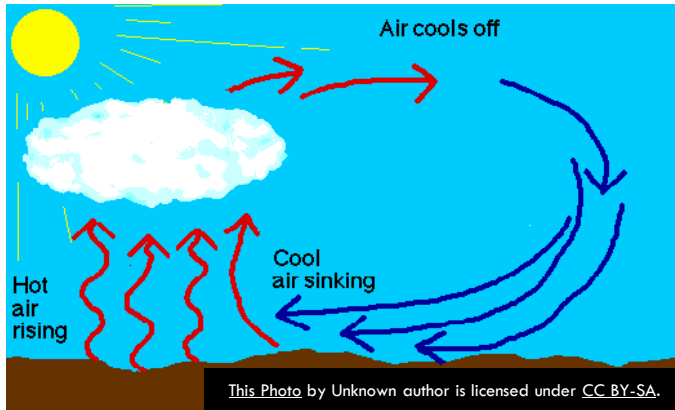
Review Station – Carbon Cycle

2) Carbon Cycle

Draw a model of the carbon cycle that includes:

- 4 reservoirs
- 4 flows
- How have humans impacted the carbon cycle?





Review Station – Convection Currents

3) Convection Currents

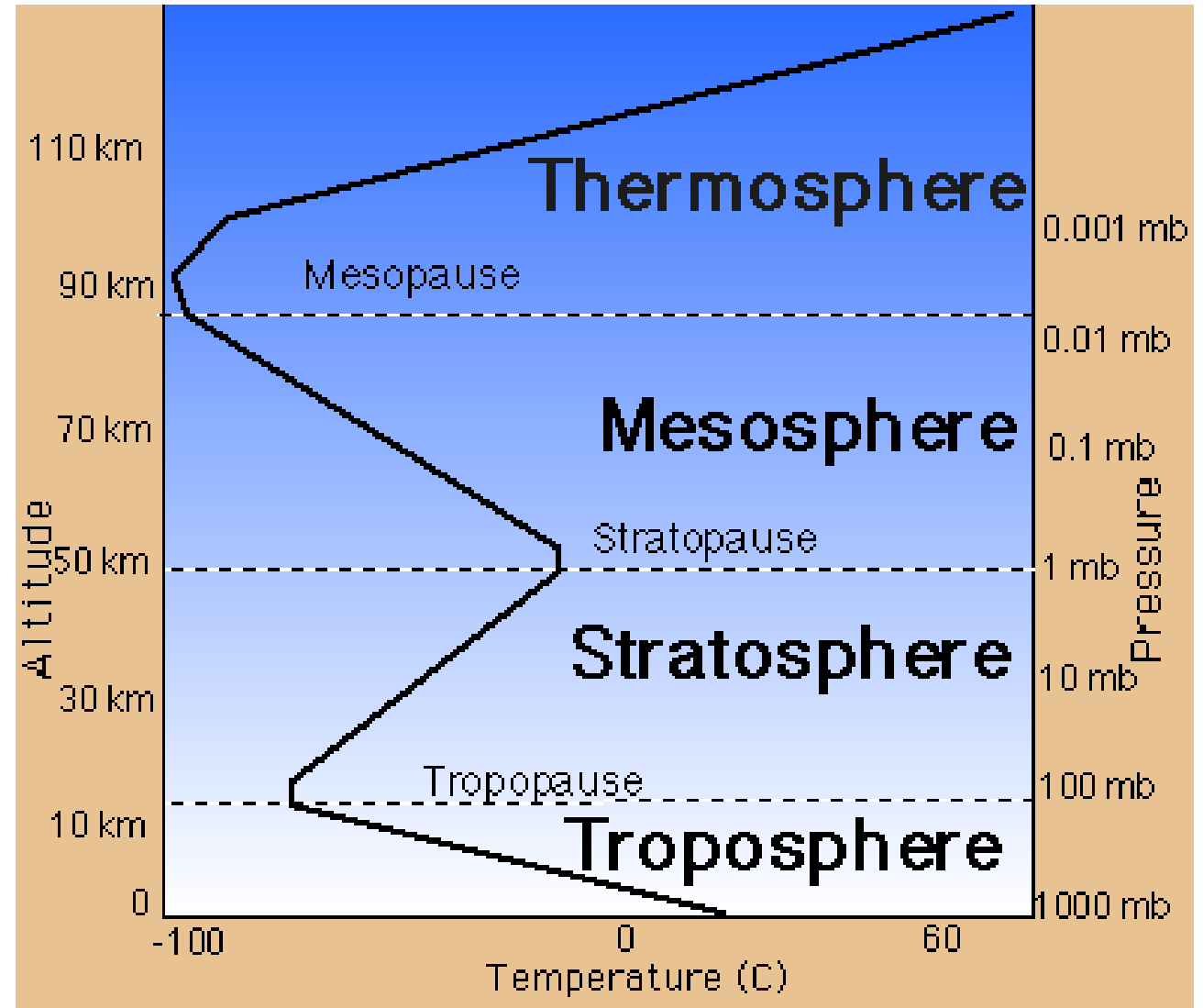
Draw a model of air moving in convection currents due to differences in temperature and pressure.

- What causes air at the surface to rise
- What happens to air once it rises
- What causes air to sink back to the surface

Review Station – Layers of the Atmosphere

4) Layers of the Atmosphere

- Explain how temperature and pressure change at each level of the atmosphere.
- You may want to use a graph to guide you.



Study Guide Work Time



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