**Global Atmospheric and Oceanic Circulation**

How Does Changing Latitude Affect the Climate?

1. Draw a simple labelled sketch of the diagram opposite
2. In a paragraph explain why it generally gets colder as we move from the equator to the poles

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Answer these questions as the video plays <https://youtu.be/7fd03fBRsuU>

1. What impact does the CURVE of the EARTH have on how much radiation is received by different parts of the Earth? ­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Where receives most radiation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Where receives least radiation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What does the global circulation system do? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What would happen if there were no global circulation system? \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**TASKS - DESCRIBING**

1. Draw a SIMPLE SKETCH of the model
2. In 3 sentences, describe how the atmosphere moves air around the Northern Hemisphere

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Water sinks in the Arctic because…

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Complete the table below as you complete the dice game

|  |  |  |
| --- | --- | --- |
| **Dice roll number** | **What was written on the square?** | **What impact did it have on your progress?** |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |
| 11 |  |  |
| 12 |  |  |
| 13 |  |  |
| 14 |  |  |
| 15 |  |  |
| 16 |  |  |



Oceanic Circulation

Atmospheric Circulation