

Answer the multiple Choice and True and False questions on page 204

Multiple Choice

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_

True and False

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_

What gases were present at each time in the history of the Earth?

Time	4 Billion years ago		3.8 Billion years ago		600 billion years ago
Gases present		Dust cleared and sunlight changed it to		Blue Green bacteria and plants changed the atmosphere	

Use the vocabulary terms on page 203 to match the following descriptions. You will have to use the words more than once.

- |           |  |
|-----------|--|
| 1. _____  | The hottest layer of the atmosphere                            |
| 2. _____  | Earth's magnetic field extending through space.                |
| 3. _____  | Half of the earth  |
| 4. _____  | The coldest layer of the atmosphere.                           |
| 5. _____  | Where satellites circle the earth                              |
| 6. _____  | Protects the Earth from ultraviolet rays.                      |
| 7. _____  | Rising warm air and sinking cold air.                          |
| 8. _____  | A strong wind that blows from west to east.                    |
| 9. _____  | The oceans, streams, lakes, rivers, and ice caps of the Earth. |
| 10. _____ | A charged particle.  |
| 11. _____ | The second layer of the atmosphere.                            |
| 12. _____ | Where the ozone layer is located                               |
| 13. _____ | Radio signals bounce off this.                                 |
| 14. _____ | A form of oxygen.  |
| 15. _____ | An imaginary line that divides the earth in half.              |
| 16. _____ | Cause the aurora borealis                                      |
| 17. _____ | Protects Earth from meteorites.                                |
| 18. _____ | The envelop of gases that surround the Earth                   |
| 19. _____ | The solid part of the earth.                                   |
| 20. _____ | The layer of the atmosphere we live in.                        |

Short Answer: Answer the following questions using complete sentences.

1. How is the atmosphere like a space suit?
2. What are the three main features of the Earth?
3. List and describe the layers of the atmosphere in order from the Earth up?
4. What happens to the temperature as you go up in the atmosphere? How long does this trend continue?
5. What are the most common gases in the atmosphere?
6. How did green plants change the atmosphere?
7. What is the importance of the ozone layer?
8. What is the importance of carbon dioxide in the atmosphere?