**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_ Core \_\_\_\_ Track \_\_\_\_ Pg.: \_\_\_\_\_**

**Ozone Gas and the Ozone Layer**

1. Watch the Videos ‘*Ozone, Good Up High; Bad Nearb*y’ and ‘*Ozone Layer’* twice (<http://johnsonsleopards.weebly.com/videos.html>). Write the ***three most important facts*** from the videos.
2. Review: Why is ozone “good up high, but bad nearby”?

Read the section titled “Human activities produce chemicals that destroy the ozone layer” on pages A32-33 in your textbook.

1. What is happening to the ozone in the stratosphere? What is causing this?
2. What is the Montreal Protocol?

**Greenhouse Effect and Global Warming**

1. Go to page A25 in your textbook. Compare and contrast the two images on that page. **Important hint**: infrared radiation is heat!

**Atmosphere without Greenhouse Gases**

**Atmosphere with Greenhouse Gases**

1. The image on the right on page A25 has greenhouse gases. What do greenhouse gases do?
2. Why are too many greenhouse gases bad?
3. What causes global warming?
4. What are some negative effects of global warming?
5. On a separate sheet of paper, create a drawing showing the effect of greenhouse gases ***MORE*** greenhouse gasses in Earth’s atmosphere on our climate.