**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Class Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The Thingamabob Game**

**Directions:** Read the game information below and highlight or underline important information.

**Objective:** Your goal is to become a successful thingamabob company by producing and selling thingamabobs to turn a profit. In addition, you must be aware of how your company is influencing climate change through CO2 emissions from your company’s thingamabob production.

**Company Information**

* Your team has a business producing thingamabobs
* Each team starts out with $1,000
* It costs $1 to produce 1 thingamabob
* For every thingamabob your team produces your profit is $2
* For example, if you choose to produce 200 thingamabobs your profit will be $200

**Rewards for Highest Profit**

**1st and 2nd Place:** Candy for every group member

**3rd Place:** Two candy bars split between every group member

**4th Place:** One candy bar to split between group members

**5th Place:** Nothing

**6th Place:** Nothing

**7th Place:** Nothing

**Environmental Information**

* The world in the thingamabob game begins at **380 Parts Per Million (PPM)**
* For every **1,000 thingamabob produced 2 Parts Per Million (PPM)** CO2 are put into the atmosphere
* If the total CO2 production of thingamabobs for ALL groups produces over the trigger number of somewhere between **420 and 460 Parts Per Million (PPM) the Earth’s environment will be damaged beyond repair, and no one will receive any candy**

**Company Name:**

**Who is in your company (list each person):**

**Decide who in your group is each of the following roles and list their name below:**

**Timekeeper (watches the clock and reminds team members of deadlines): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Group Input Collector (asks each group members opinion on how many thingamabobs to produce each round and helps the group reach a collective decision)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Mathematician (calculates costs and profits for thingamabob production)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Environmental Risk Assessor(assesses risk of thingamabob production based on CO2 PPMS)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **ROUND 1** |
| --- |
| **Available Capital ($): $1,000** |
| **Number of Thingamabobs Produced in This Round:** |
| **Total Capital ($) after production:**  |

| **ROUND 2** |
| --- |
| **Available Capital ($):**  |
| **Number of Thingamabobs Produced in This Round:** |
| **Total Capital ($) after production:**  |

| **ROUND 3** |
| --- |
| **Available Capital ($):**  |
| **Number of Thingamabobs Produced in This Round:** |
| **Total Capital ($) after production:**  |

| **ROUND 4** |
| --- |
| **Available Capital ($):**  |
| **Number of Thingamabobs Produced in This Round:** |
| **Total Capital ($) after production:**  |

| **ROUND 5** |
| --- |
| **Available Capital ($):**  |
| **Number of Thingamabobs Produced in This Round:** |
| **Total Capital ($) after production:**  |

**Exit Ticket**

**Answer each question below in 1-2 sentences.**

1. **Describe what went on in your group. What pressures did you feel?**
2. **What prevented you from caring more about the environmental impact your company was making?**
3. **How does this game resemble real life? What was unrealistic about the game?**
4. **Is the game “rigged”? Could the rules be changed in a way not to lead to climate ruin?**

| **Emerging (D)** | **Approaching (C)** | **Proficient (B)** | **Advanced (A)** |
| --- | --- | --- | --- |
| **Does not answer all questions.**  | **Answers each question with limited insight on the game.** | **Fully and completely answers the question with insights from the game.** | **Proficient + demonstrates a thorough and nuanced understanding game through thoughtful insights.** |