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| --- | --- | --- | --- | --- |
|  | **4** | **3** | **2** | **1** |
| **Trading cards** | Student has 8 cards from 8 different students representing each planet. | Student has 8 cards from 7 different students representing each planet. | Student has 8 cards from 6 different students representing each planet. | Student has 8 cards from 5 or less differing students representing each planet. |
| **Cover Card** | Cover card includes: 8 planets in correct order, full color and labeled., student name, class period, date.  | Cover card is missing one of the following: 8 planets in correct order, full color and labeled. Student name, class period, date.  | Cover card is missing two of the following: 8 planets in correct order, full color and labeled. Student name, class period, date. | Cover card is missing three 0r more of the following: 8 planets in correct order, full color and labeled. Student name, class period, date. |
| **Size comparison****(Earth not included)** | Relative size of 7 planets is correctly represented as compared to earth. | Relative size of 6-5 planets is correctly represented as compared to earth. | Relative size of 4-3 planets is correctly represented as compared to earth. | Relative size of 2 or less planets is correctly represented as compared to earth. |
| **Planet diameter****(km)** | Planet diameter of 8 planets is correctly represented in km. | Planet diameter of 7-6 planets is correctly represented in km. | Planet diameter of 5-4 planets is correctly represented in km. | Planet diameter of 3 or less planets is correctly represented in km. |
| **Surface atmosphere** | Surface atmospheric conditions is correctly represented for all 8 planets. | Surface atmospheric conditions is correctly represented for 7-6 planets. | Surface atmospheric conditions is correctly represented for 5-4 planets. | Surface atmospheric conditions is correctly represented for 3 or less planets. |
| **Relative distance from the sun (km or AU)** | Distance from the sun is correctly represented for all 8 planets in km or AU. | Distance from the sun is correctly represented for 7-6 planets in km or AU. | Distance from the sun is correctly represented for 5-4 planets in km or AU. | Distance from the sun is correctly represented for 3 or less planets in km or AU. |
| **Ability to support life** | Ability to support life correctly represented for all 8 planets. | Ability to support life correctly represented for 7-6 planets. | Ability to support life correctly represented for 5-4 planets. | Ability to support life correctly represented for 3 or less planets. |
| **Planet rotation** | Planet rotation period is correctly represented for all 8 planets. | Planet rotation period is correctly represented for 7-6 planets. | Planet rotation period is correctly represented for 5-4 planets. | Planet rotation period is correctly represented for 3 or less planets. |
| **Planet revolution** | Planet rotation period around the sun is correctly represented for all 8 planets. | Planet rotation period around the sun is correctly represented for 7-6 planets. | Planet rotation period around the sun is correctly represented for 5-4 planets. | Planet rotation period around the sun is correctly represented for 3 or less planets. |
| **Fun facts** | 3 fun facts are included for all 8 planets. | 3 fun facts are included for 7-6 planets | 3 fun facts are included for 5-4 planets | 3 fun facts are included for 3 or less planets |
| **Attractiveness and organization** | The trading cards have exceptionally attractive formatting and well-organized information. | The trading cards have attractive formatting and well-organized information. | The trading cards have well-organized information. | The trading cards have formatting and organization of material are confusing to the reader. |
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Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade: \_\_\_\_\_\_\_\_\_\_/ 48