

# Planet Research Project Task Sheet

**The Task:** Create a PowerPoint or Keynote presentation that compares and contrasts a planet of your choice to Earth to teach your classmates about its components and characteristics:

1. Recognize that the other eight known planets, which revolve around the Sun, have characteristics and surface conditions that are different from Earth; and identify examples of those differences.
2. Recognize that not only Earth, but other planets, have moons; and identify examples of similarities and differences in the characteristics of those moons.

## Part A: Background

Using books, Sky Science apps, or encyclopedias, research information about your planet so that you can answer:

- Where did the planet get its name?
- How was the planet formed or created?

Write a paragraph that explains what you know.

## Part B: Compare and Contrast

Using PowerPoint or Keynote, create a presentation that compares and contrasts the planet you have chosen to Earth. Your presentation must include:

- At least 5 interesting facts or characteristics about your planet
- A table or chart comparing (to Earth) the
  - ✓ Size
  - ✓ Diameter
  - ✓ Relative Size
  - ✓ Atmosphere components
  - ✓ Does the planet have moons?
  - ✓ Circumference
  - ✓ Radius
  - ✓ Distance from the Sun
  - ✓ What planet is made of (composition)
- Sources.
- Your paragraph from Part A

My planet is: \_\_\_\_\_

My Planet Project is due: \_\_\_\_\_

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	<b>FIVE</b>	<b>FOUR</b>	<b>THREE</b>	<b>TWO</b>
<p><b>CONTENT</b> (Research) (Product)</p> <p style="text-align: center;">/15</p>	<ul style="list-style-type: none"> <li>-Sources from a variety of books, websites, videos, posters, etc., are used. At least 8-10 applicable sources.</li> <li>-All facts are accurate and credit is effectively shown for where you got them</li> <li>-Information is related in your own words using excellent vocabulary</li> <li>-Product shows a strong understanding of all "I can" statements in the task</li> <li>- WOW factor is evident</li> </ul>	<ul style="list-style-type: none"> <li>-Sources from a variety of books, websites, videos, posters, etc., are used. At least 7 applicable sources.</li> <li>-Almost all facts are accurate and credit is effectively shown for where you got them</li> <li>-Information is related in your own words using effective vocabulary</li> <li>-Product shows a strong understanding of all "I can" statements in the task</li> </ul>	<ul style="list-style-type: none"> <li>-Sources from a variety of books, websites, videos, posters, etc., are used. At least 5 applicable sources.</li> <li>-Most facts are accurate and credit is shown for where you got them</li> <li>-Information is related in your own words using understandable vocabulary</li> <li>-Product shows an understanding of all "I can" statements in the task</li> </ul>	<ul style="list-style-type: none"> <li>-Sources are used but they are either not applicable or not enough are used.</li> <li>-Facts are inaccurate or credit is not shown for where you got them.</li> <li>-Information is not related in your own words or vocabulary is used incorrectly.</li> <li>-Product shows an incomplete or vague understanding of all "I can" statements in the task</li> </ul>
<p><b>PRESENTATION</b></p> <p style="text-align: center;">/5</p>	<ul style="list-style-type: none"> <li>- Excellent enthusiasm was shown in presentation</li> <li>-Presenters rehearsed (speaking effectively without reading);</li> <li>-Presentation is very interesting and creative.</li> <li>-Presentation is engaging because everyone can hear and the audience is included.</li> </ul>	<ul style="list-style-type: none"> <li>-Great enthusiasm was evident in presentation</li> <li>-Presenters rehearsed (speaking effectively with minimal reading);</li> <li>-Presentation is interesting and creative.</li> <li>- Presentation is engaging because everyone can hear and the audience is included.</li> </ul>	<ul style="list-style-type: none"> <li>-Some enthusiasm was evident in presentation</li> <li>-Presenters were somewhat rehearsed (reading and good speaking skill);</li> <li>-Presentation is somewhat interesting and creative.</li> <li>-Presentation is engaging because everyone can hear and the audience is included.</li> </ul>	<ul style="list-style-type: none"> <li>-Very little enthusiasm was evident in presentation</li> <li>-Presenters not very rehearsed (read product and/or didn't make eye contact with audience);</li> <li>-Presentation lacks audience interest because not all students could hear or audience was not included.</li> </ul>
<p><b>APPEARANCE</b></p> <p style="text-align: center;">/5</p>	<ul style="list-style-type: none"> <li>-Excellent neatness and organization of information.</li> <li>-Very effective display of titles and sources.</li> <li>-Includes excellent details to demonstrate understanding.</li> </ul>	<ul style="list-style-type: none"> <li>-Very neat and strong organization of information</li> <li>- Effective display of titles and sources.</li> <li>-Includes strong details to demonstrate understanding.</li> </ul>	<ul style="list-style-type: none"> <li>- Neat; information is mostly organized</li> <li>- Includes display of titles and sources.</li> <li>-Includes good details to demonstrate understanding.</li> </ul>	<ul style="list-style-type: none"> <li>- Appearance is messy or; disorganized</li> <li>- Missing display of titles and/or sources</li> <li>-Lacking details to demonstrate understanding.</li> </ul>