Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

# Planet Presentation

**Directions**: Your group will do research using the internet (as well as chapters 8 – 10 in the textbook) to create a PowerPoint presentation for one of the nine planets of the solar system (and the asteroid belt).

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| --- | --- |
| Who are your group members? | What planet are you researching? |
|  |  |

**PowerPoint Requirements**: Your presentation should include the following parts:

1. Title slide (1 slide)  with a picture, title, your names, and any other relevant information
2. Intro (1 to 2 slides)  basic background information and properties of planet
3. Body (6 to 8 slides)  should include the bulk of your research, divided into the 4 following categories:
   1. Structure, composition, and physical features of the planet
   2. Missions that have flown by/landed there, and what they discovered
   3. Unique/interesting characteristics of the planet
4. What would it be like to go there? (1 to 2 slides)  terrain, atmosphere, effects of gravity, etc.
5. Fact slide\* (1 slide)  List 5 important facts you think the class should know about your planet

All of the following topics should be should be addressed within your presentation:

Surface conditions



Describe the atmosphere (if any)

Size and structure

Composition

Is it terrestrial or Jovian?

How many moons? (any famous ones?)

What makes this planet different from any other?

**Grading**: Your presentation will be worth 25 points, using the following grading scale:

## PowerPoint (17 points)

* Title slide = 1 point
* Accurate information = 8 points
* Good, relevant images = 3 points (each image should be mentioned in your presentation)  Fact slide = 2 points
* Neat and professional PowerPoint = 3 points

## Presentation (8 points)

* Organization and participation = 4 points
* Delivery = 4 points

\***Note:** *Students will be taking notes on each presentation’s fact slide, so your facts should be brief and to the point. They should be the most important, unique facts about your planet, not overly specific details. A good example would be the fact that Uranus’ rotational axis is tilted at roughly 90 degrees; a bad example would be the exact mass of the planet. The fact sheet (on the reverse of this paper) will be used for an open notes quiz on all the planets.*

# Planet Fact Sheet

|  |  |
| --- | --- |
| Mercury and Moon:  Temperature Extremes on Mercury  Inner layers  Roll of impact cratering  The Apollo missions  Vesicular and Breccias  Origin of Moon  Helium 3 precense on Moon and implications | Venus:  Be sure to include detailed explanations as to the atmosphere and runaway greenhouse effect on Venus  Discuss volcanic features |
| Earth:  Early Formation  Interior of planet (diagram, analysis)  Magnetic Field (Van Allen Belts, Magnetosphere)  Tectonic History,  Atmosphere and connection to global warming) | Mars:  Discuss possible areas where water may exist  Include mission data and info on Curiosity and Rover  Gusev Crater discuss importance  Phobos and Diemos |
| Jupiter:  Provide information Concerning Inner layers of Jupiter  Cover some detail concerning Jupiter’s Magnetic field  Cloud Belt structure  Jupiter’s ring, go into some detail  Discuss Comet Impact on Jupiter | Saturn:  Discuss Inner Layers  Ring Anatomy  Ring Origins |
| Uranus:  Describe the unusual rotaion of Uranus (be sure to include diagrams  Discuss atmosphere  Discuss major ring structures | Neptune:  Atmosphere composition  Layers  Triton |
| Pluto:  Pluto structure  New Horizons Mission Overview  -Research findings  - mission goals | Trans Neptunian  Makemake  Haumea  Sedna  Eris |

|  |  |
| --- | --- |
| Europa:  Characteristics  Possibilities for Life  Future missions to Europa | Titan  Atmosphere  Possibilities for life  Future missions |