

Activity 3 Materials

Saturn/Cassini Match Game — Question Cards (1 of 2)



How many "Earths" would make up my diameter?



How many Earth hours long is my day?



My middle layer is made of what?



How many Earth years long is my year?



Which spacecraft visited me with a probe?



My layers have gas and ice particles made of what?



Where did my name come from?



My outermost planet layer is called what?



The layer next to my core is made of what?



Activity 3 Materials

Saturn/Cassini Match Game —
Question Cards (2 of 2)



How many moons does Saturn have?



Which moon is a very cold version of early Earth?



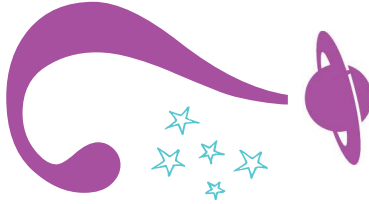
My rings were named in what order?



Which moon has a crater that is one-third its total size?



Why don't some of my rings drift or fall apart?



Which moon is vanilla-colored on one side and chocolate-colored on the other?



The areas between my rings are called what?



What do Janus and Epimetheus do every few years?




What are my rings made of?





Activity 3 Materials





Saturn/Cassini Match Game — Answer Cards (1 of 2)




**MORE THAN
60**



MIMAS



**LIQUID
METALLIC
HYDROGEN**





**GRAVITY
FROM THE
“SHEPHERD
MOONS”**



**IN THE
ORDER
THEY WERE
DISCOVERED**





TITAN



**UPPER
ATMOSPHERE**



9.5



**CASSINI-
HUYGENS**



Activity 3 Materials

Saturn/Cassini Match Game —
Answer Cards (2 of 2)

**ICY ROCK
AND ICE
PARTICLES**



**ROMAN
GOD OF
AGRICULTURE**



GAPS



29 1/2



**HYDROGEN,
HELIUM,
METHANE,
AMMONIA,
OTHER CHEMICALS**



10.7



**LIQUID
MOLECULAR
HYDROGEN**



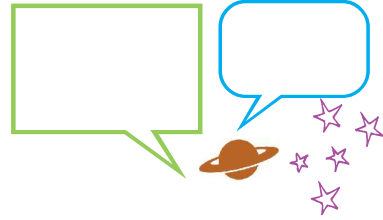
**TRADE
ORBITS**



IAPETUS



Saturn/Cassini Match Game — Answer Key



| | |
|---|--|
| How many “Earths” would make up my diameter? | 9.5 |
| How many Earth hours long is my day? | 10.7 |
| How many Earth years long is my year? | 29 ½ |
| Where did my name come from? | ROMAN GOD OF AGRICULTURE |
| Which spacecraft visited me with a probe? | CASSINI-HUYGENS (cuh-SEEN-ee HOY-gens) |
| My layers have gas and ice particles made of what? | HYDROGEN, HELIUM, METHANE, AMMONIA, OTHER CHEMICALS |
| My outermost planet layer is called what? | UPPER ATMOSPHERE |
| My middle layer is made of what? | LIQUID MOLECULAR HYDROGEN |
| The layer next to my core is made of what? | LIQUID METALLIC HYDROGEN |
| My rings were named in what order? | IN THE ORDER THEY WERE DISCOVERED |
| What are my rings made of? | ICY ROCK AND ICE PARTICLES |
| art? | GRAVITY FROM THE “SHEPHERD MOONS” |
| The areas between my rings are called what? | GAPS |
| How many moons does Saturn have? | MORE THAN 60 |
| Which moon has a crater that is one-third its total size? | MIMAS |
| What do Janus (JAY-ness) and Epimetheus (ep-uh-ME-thee-us) do every few years? | TRADE ORBITS |
| Which moon is vanilla-colored on one side and chocolate-colored on the other? | IAPETUS (eye-A-pe-tus) |
| Which moon is a very cold version of early Earth? | TITAN |

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