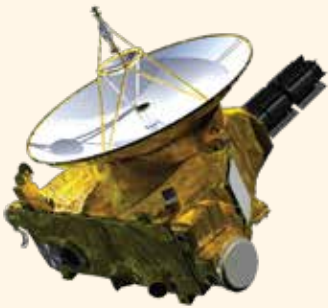


Pluto & Dwarf Planets

Did you know?

The first spacecraft to visit Pluto was NASA's *New Horizons*, which arrived on July 14, 2015, after a nine-and-a-half-year journey of over three billion miles.

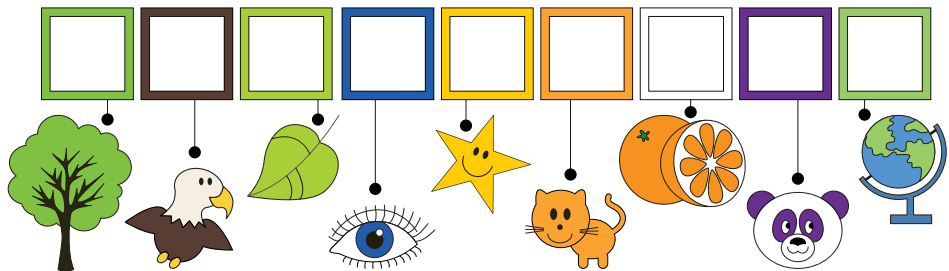


Is Pluto a planet? Well, technically no. Once the ninth planet in our solar system, this distant icy sphere was reclassified as a dwarf planet in 2006. A dwarf planet is a mostly round object that orbits a star. Unlike regular planets, it hasn't cleared its orbit of debris, or stuff floating in space. But being a dwarf planet isn't too bad. Each one reflects the awesome power of its Creator, Jesus! Did you also know . . .

- ✓ Five known dwarf planets orbit the sun: Ceres, Pluto, Haumea, Makemake, and Eris.
- ✓ Most dwarf planets are found in the Kuiper Belt—a region of icy objects beyond Neptune's orbit.
- ✓ Even though all known dwarf planets are smaller than Earth's moon, some have moons themselves. Pluto has five, and the largest, Charon, is half Pluto's size.
- ✓ Pluto has an average temperature of -387°F !

Hidden Word Puzzle

Use the first letter of each object to find the secret word below.



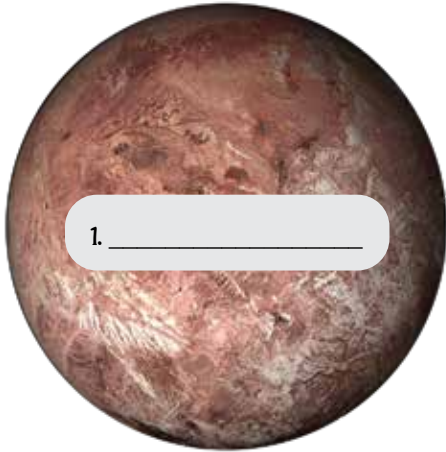
Math Game

 - 3 = 5	 = 8
3 +  = 7	 =
 - 2 = 8	 =
7 +  = 9	 =

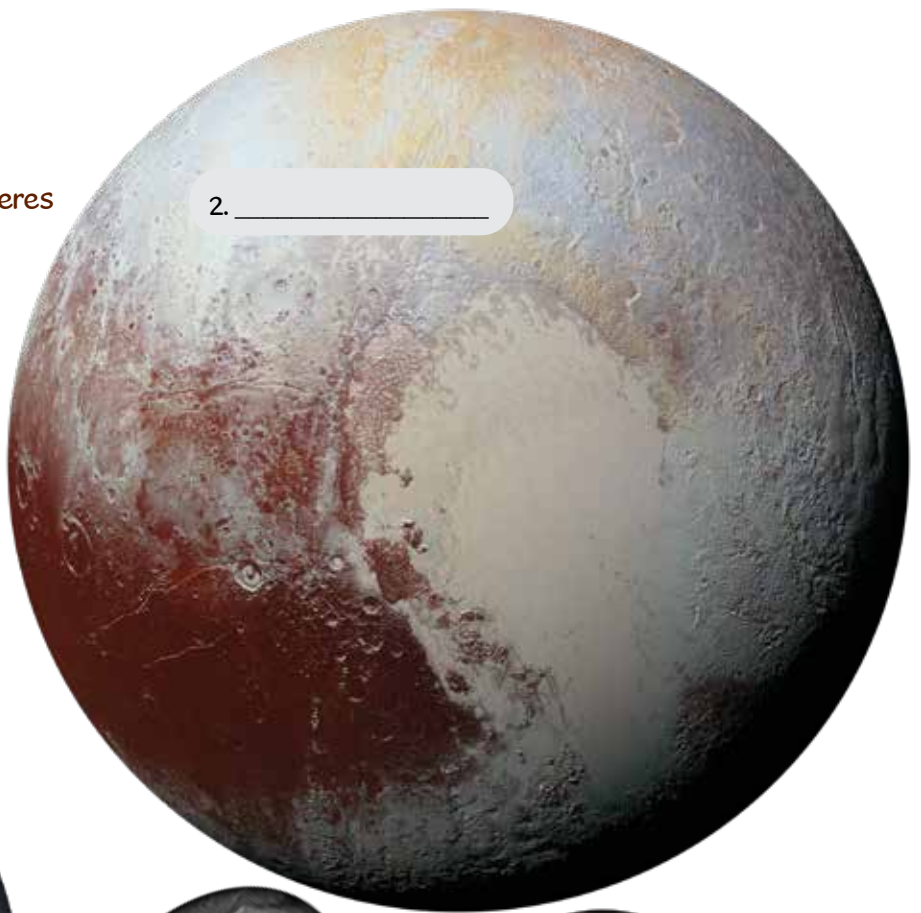
Many scientists claim that Pluto and other dwarf planets are billions of years old. But Pluto has evidence of recent, heat-driven geologic activity, like cliffs and canyons. This internal warmth makes sense if Pluto is just thousands of years old.

Match each dwarf planet
with the correct name.

Pluto Eris Haumea Makemake Ceres



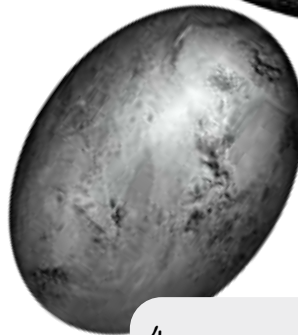
1. _____



2. _____



3. _____



4. _____



5. _____

Galaxy Dough

Supplies: flour, salt, cream of tartar, vegetable oil, black gel food coloring, glitter, gloves, a glass bowl, and a fork

1. With a parent's help, mix liquid ingredients in a large pan and heat the liquids.
2. In a separate bowl mix dry ingredients. Then add the dry ingredients to the warming liquids.
3. Stir until the dough gathers and thickens. Remove from heat.
4. Let it cool slightly and then knead to bring proper consistency. Add glitter! Store in plastic container.



Answers to hidden word puzzle: telescope; Answers to math game: 4, 10, 2; Answers to name the planets: 1. Makemake, 2. Pluto, 3. Eris, 4. Haumea, 5. Ceres