Ollie's Adventure

Poor Little Pluto!

Why is Pluto a dwarf planet?



Space workbook · ages 4 to 7

My name is: _____

Watch the video first, then try these pages. A grown-up can read the words.

Name: _____

Pluto Facts

Listen to a grown-up read each one. Circle YES or NO.

1. Pluto was found in 1930 by Clyde Tombaugh. YES NO

2. Pluto is bigger than our Moon. YES NO

3. Pluto has 5 moons. YES NO

4. Pluto is very, very hot. YES NO

5. New Horizons found a big heart on Pluto. YES NO

6. Pluto lives far past Neptune. YES NO

7. Pluto is a dwarf planet. YES NO

Name: _____

The 3 Planet Rules

In 2006, scientists made 3 rules. Draw a tick (yes) or a cross (no) in each box.



Earth



Pluto

1. It goes around the Sun. ☐ ☐

2. It is round, like a ball. ☐ ☐

3. It clears its path. ☐ ☐

Ollie's hint: Pluto shares its path with lots of icy rocks.

So Pluto is a ...

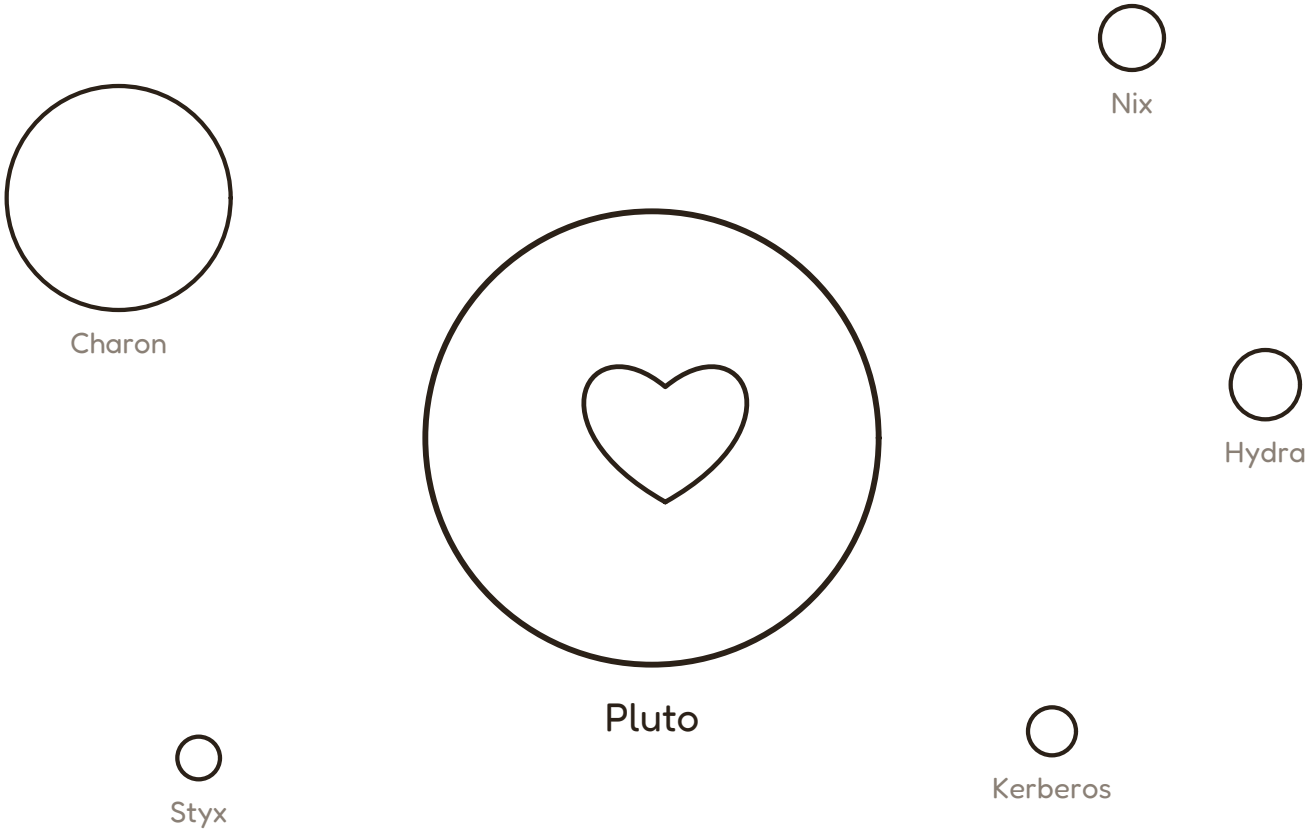
big planet | dwarf planet | star

(circle one)

Name: _____

Count Pluto's Moons

Pluto has moons! Count them and colour the biggest one, Charon.



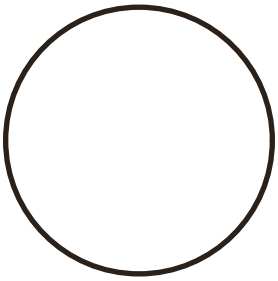
How many moons? ☐

Trace: 5 5 5 5 5

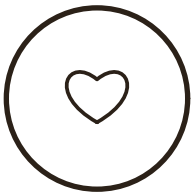
Name: _____

Bigger or Smaller?

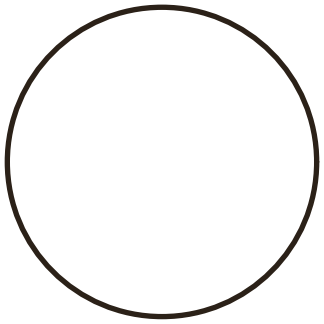
Circle the BIGGER one in each row.



Moon



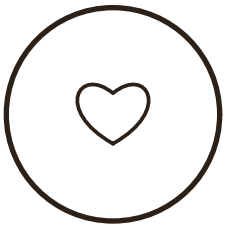
Pluto



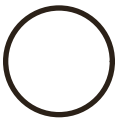
Earth



Pluto



Pluto



Charon

Numbers too! Circle the bigger number.

5 8 13 8 1 5

Name: _____

Planets and Dwarf Planets

Count the dots. Then add.

Planets: ○ ○ ○ ○ ○ ○ ○ ○

Dwarf planets: ○ ○ ○ ○ ○

(Pluto, Ceres, Eris, Haumea, Makemake)

8 + 5 = ☐

More space sums

8 + 1 = ☐ 8 + 2 = ☐

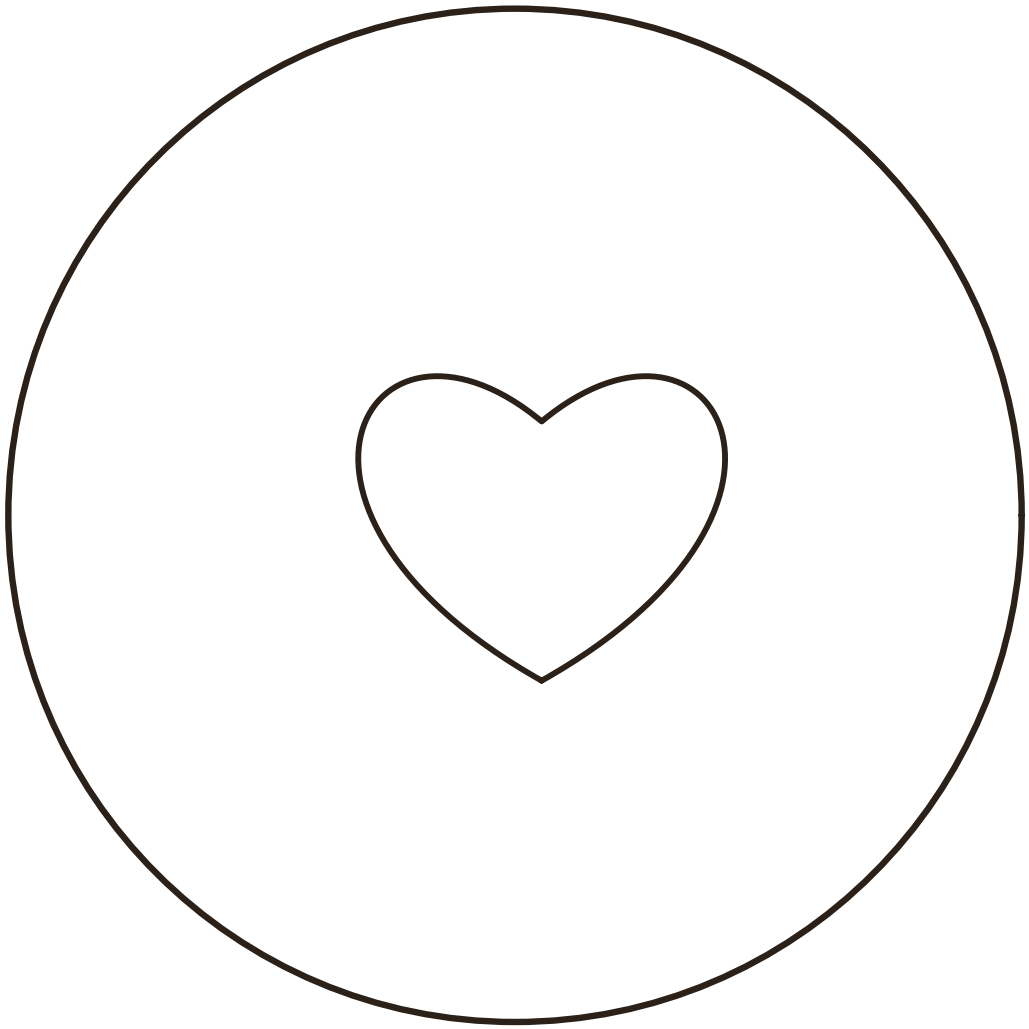
5 + 1 = ☐ 5 + 5 = ☐

8 – 1 = ☐ 5 – 2 = ☐

Name: _____

Pluto's Big Heart

Colour Pluto and its icy heart. Then finish the sentence.



One Pluto year is about 248 Earth years! Pluto is very, very cold. Brrr!

Pluto is still special because _____

_____

Space Explorer Certificate

This is to say that

_____

knows why Pluto is a dwarf planet!





Answers for grown-ups

p2: YES, NO, YES, NO, YES, YES, YES

p3: Earth yes, yes, yes · Pluto yes, yes, NO · dwarf planet

p4: 5 moons (Charon is the biggest)

p5: Moon, Earth, Pluto · 8, 13, 5

p6: 8 + 5 = 13 · 9, 10, 6, 10, 7, 3

Sizes: Pluto is about 2,377 km wide; our Moon is about 3,474 km wide.