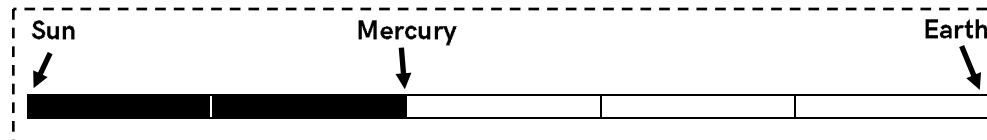


*I want to visit...*  
**MERCURY**

## Mercury Fact File

- It is the closest planet to the sun
  - ⇒ 58 million kilometres away from the Sun
  - ⇒ Two-fifths as far from the Sun as the Earth is



- It is the smallest planet in our solar system
  - ⇒ 4880 kilometres wide
  - ⇒ About one-third the size of Earth
- The temperature is between 430°C in the day and -180°C at night
  - ⇒ Mercury's thin atmosphere means it gets fire-hot in the sunlight, and doesn't let it hold on to that heat in the dark
- The sunlight strength is seven times stronger than Earth
- Gravity is about two-fifths as strong as on Earth

**Think:** Three things that might make it hard to visit Mercury are:

1.

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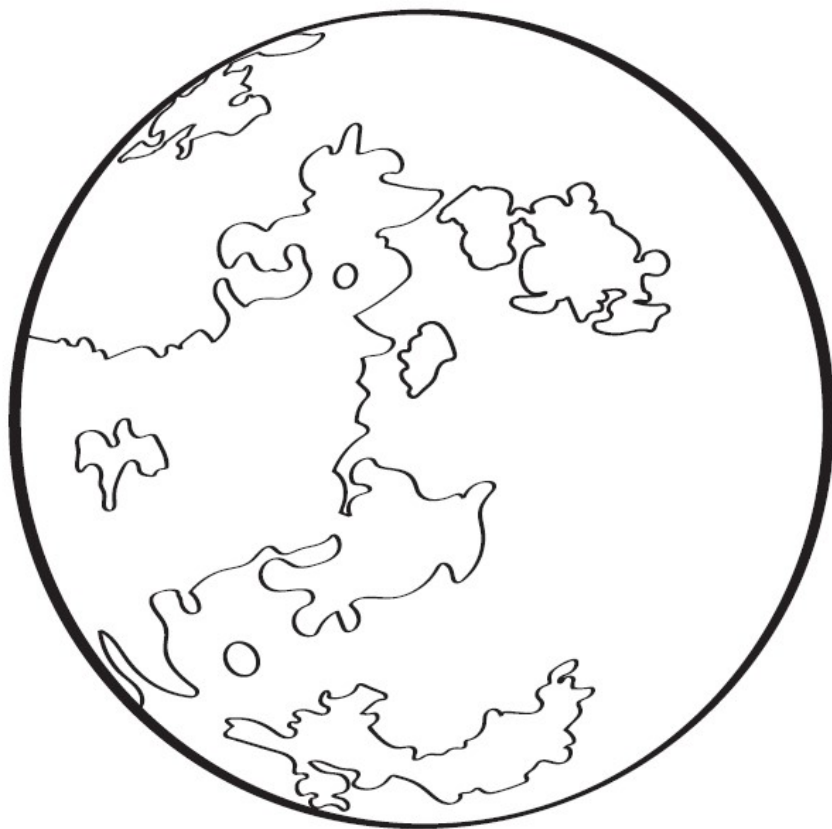
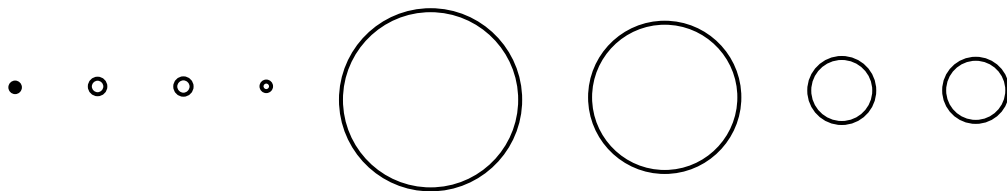
2.

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3.

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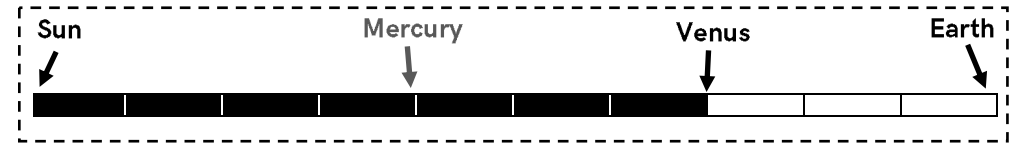
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*I want to visit...*  
**VENUS**

## Venus Fact File

- It is the second-closest planet to the sun
  - ⇒ 108 million kilometres away from the Sun
  - ⇒ Seven-tenths as far from the Sun as the Earth is



- It is almost the same size as Earth
  - ⇒ 12100 kilometres wide
  - ⇒ (Earth is 12750 kilometres wide)
- It is the hottest planet, with an average temperature of 460°C
- The sunlight strength is twice as strong as on Earth
- Gravity is nine-tenths as strong as on Earth

**Think:** Three things that might make it hard to visit Venus are:

1.

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2.

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3.

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*I want to visit...*  
**MARS**

## Mars Fact File

- It is the fourth-closest planet to the sun
  - ⇒ 223 million kilometres away from the Sun
  - ⇒ 1.5 times as far from the Sun as the Earth is



- It is about half as wide as Earth
  - ⇒ 6800 kilometres wide
- The temperature is between 27°C in the daytime and -130°C at night
- The sunlight strength is half as strong as on Earth
- Gravity is two-fifths as strong as on Earth

**Think:** Three things that might make it hard to visit Mars are:

1.

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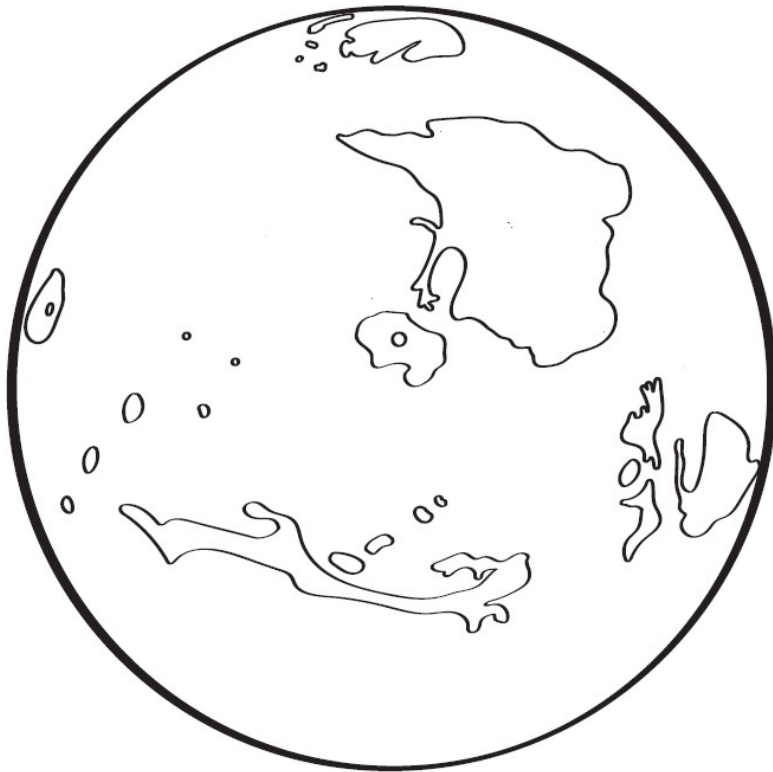
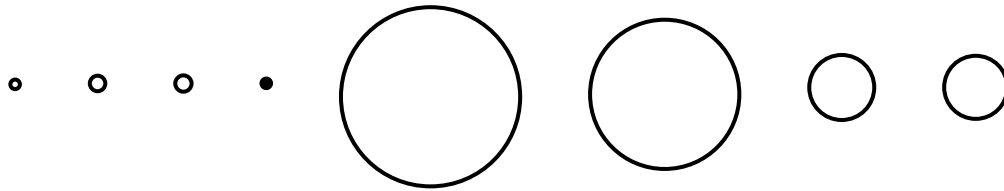
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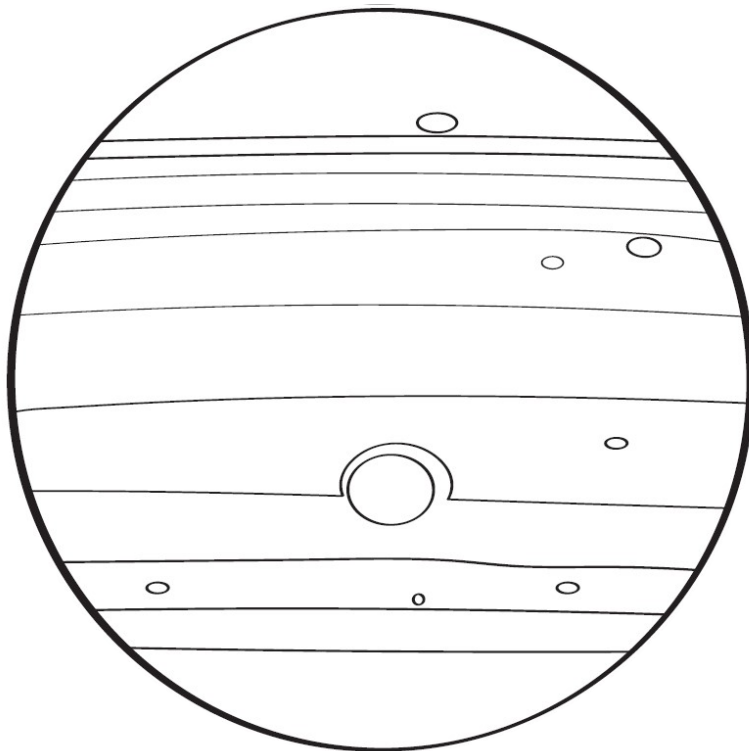
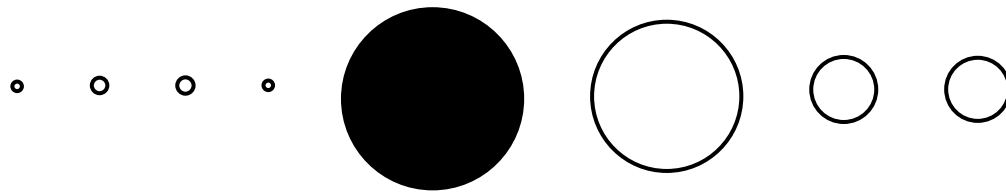
3.

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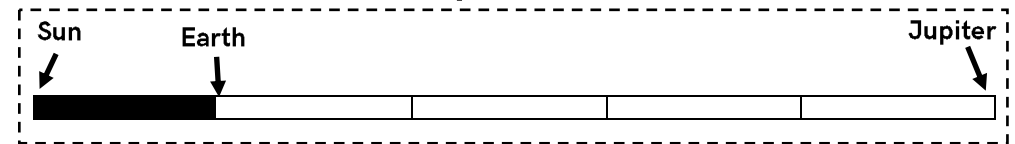


*I want to visit...*  
**JUPITER**



## Jupiter Fact File

- It is the fifth-closest planet to the sun
  - ⇒ 740 million kilometres away from the Sun
  - ⇒ 5 times further away from the Sun than the Earth is



- It is 143 000 kilometres wide, or about 11 times wider than Earth
- The temperature is between  $-110^{\circ}\text{C}$  in the daytime and  $-145^{\circ}\text{C}$  at night
- The sunlight strength is 30 times weaker than on Earth
- Gravity is 2.6 times as strong as on Earth
- Jupiter is a gas giant, so it doesn't have a solid surface to land on, but the deeper inside the planet you go, the hotter it gets, and the greater the pressure becomes

**Think:** Three things that might make it hard to visit Jupiter are:

1.

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2.

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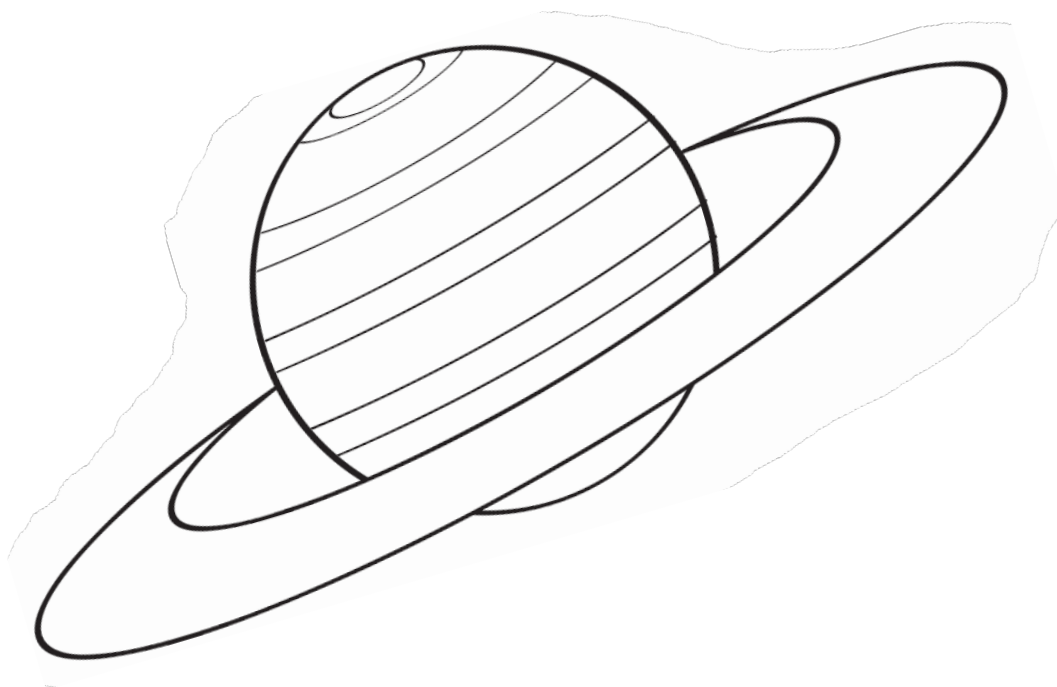
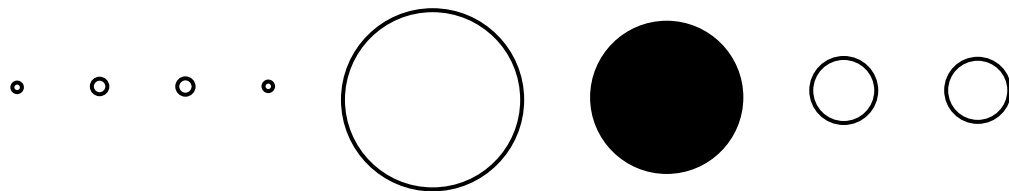
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3.

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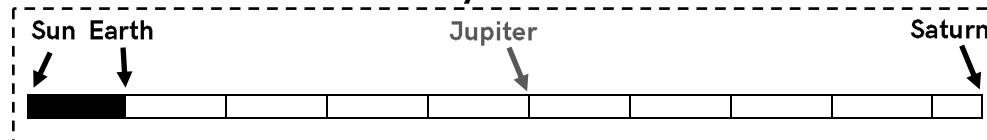
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*I want to visit...*  
**SATURN**



## Saturn Fact File

- It is the sixth-closest planet to the sun
  - ⇒ 1.5 billion kilometres away from the Sun
  - ⇒ 9.5 times further away from the Sun than the Earth is



- It is 117 000 kilometres wide, or about 9 times wider than Earth
- The surface temperature is between  $-120^{\circ}\text{C}$  in the daytime and  $-300^{\circ}\text{C}$  at night
- The sunlight is nearly 100 times weaker than on Earth
- Gravity is almost the same as on Earth
- Saturn is a gas giant, so it doesn't have a solid surface to land on, but the deeper inside the planet you go, the hotter it gets, and the greater the pressure becomes

**Think:** Three things that might make it hard to visit Saturn are:

1.

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2.

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3.

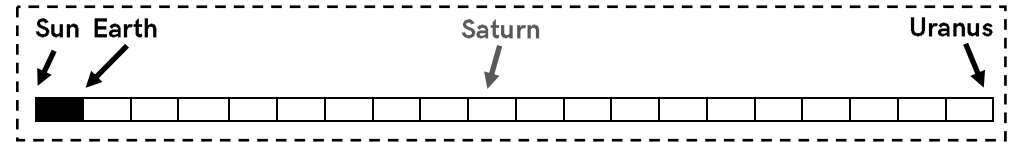
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*I want to visit...*  
**URANUS**

## Uranus Fact File

- It is the seventh-closest planet to the sun
  - ⇒ 2.8 billion kilometres away from the Sun
  - ⇒ 20 times further away from the Sun than the Earth is



- It is 50 700 kilometres wide, or about 4 times wider than Earth
- The temperature stays around  $-200^{\circ}\text{C}$
- The sunlight is nearly 400 times weaker than on Earth
- Gravity is slightly weaker than on Earth
- Uranus is a gas giant, so it doesn't have a solid surface
- Uranus spins on its side, so its day and night don't work the same as on other planets

**Think:** Three things that might make it hard to visit Uranus are:

1.

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2.

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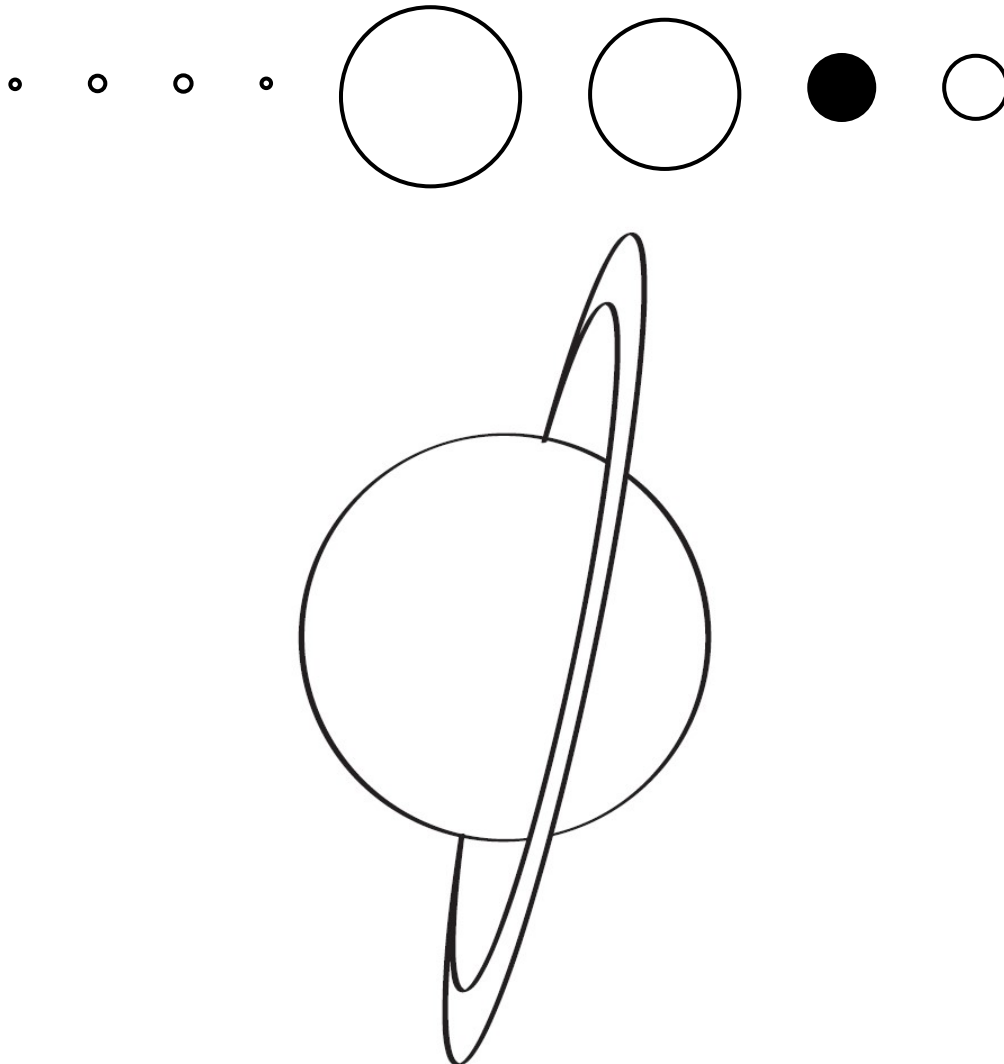
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3.

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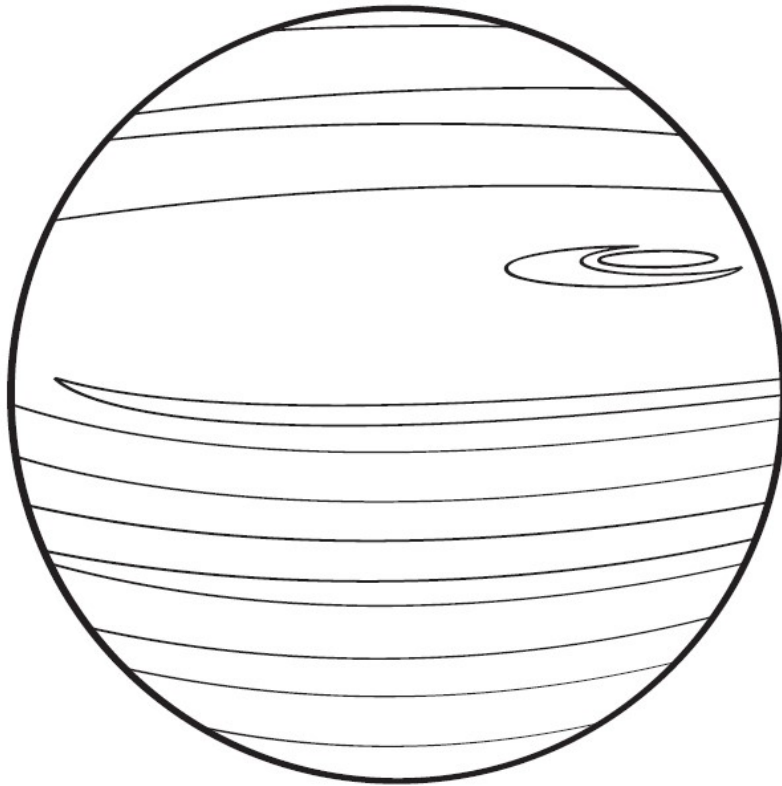
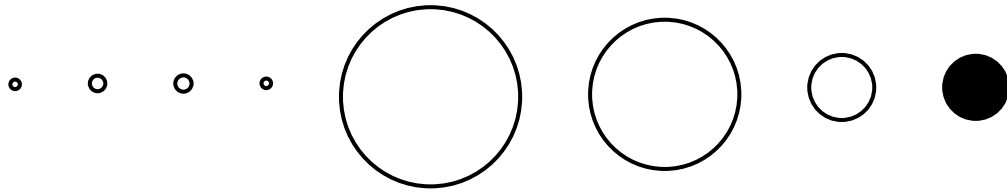


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*I want to visit...*

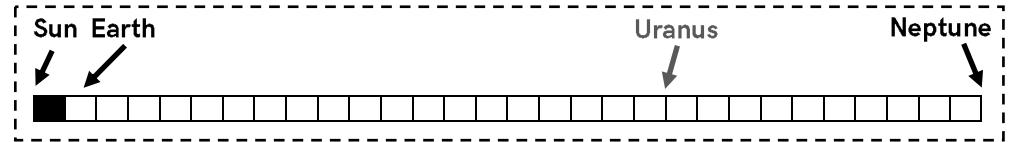
# NEPTUNE



## Neptune Fact File



- It is the eighth-closest planet to the sun
  - ⇒ 4.5 billion kilometres away from the Sun
  - ⇒ 30 times further away from the Sun than the Earth is



- It is 49 200 kilometres wide, or about 4 times wider than Earth
- The temperature stays around  $-200^{\circ}\text{C}$
- The sunlight is 900 times weaker than on Earth
- Gravity is slightly stronger than on Earth
- Uranus is a gas giant, so it doesn't have a solid surface
- Neptune has the strongest winds in the solar system

**Think:** Three things that might make it hard to visit Neptune are:

1.

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2.

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3.

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