



WVDB&W



Astronomy

Here is a game with some fun questions about space, stars, planets and the like.

How to play:

1. Decide why each answer belongs.
2. Decide why each answer belongs not.

Which Doesn't Belong & Why?





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- The Sun rises exactly in the East.
- The Sun sets exactly in the West.
- The Sun is directly overhead at Noon.
- The Moon rises exactly in the East.
- The Moon sets exactly in the West.
- The Moon is sometimes visible in the Day.



Can you think of another grouping?





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- The Sun rises exactly in the East.
- The Sun sets exactly in the West.
- The Sun is directly overhead at Noon.
- The Moon rises exactly in the East.
- The Moon sets exactly in the West.
- The Moon is sometimes visible in the Day.

Unlike the others (which are only true at certain times), The Moon is sometimes visible in the Day.



Can you think of another grouping?





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- Polaris
- Venus
- Earth
- Sun
- Moon



Can you think of another grouping?





WDB&W



- Polaris
- Venus
- Earth
- Sun
- Moon

● Unlike the others (which are in our solar system), Polaris does not belong (it's the North Star).

Can you think of another grouping?





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- ✴ Polaris rises in the East.
- ✴ Polaris sets in the West.
- ✴ Polaris is the brightest Star.
- ✴ Polaris is always in the North.
- ✴ Polaris is always directly Overhead.



Can you think of another grouping?





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- ✱ Polaris rises in the East.
- ✱ Polaris sets in the West.
- ✱ Polaris is the brightest Star.
- ✱ Polaris is always in the North.
- ✱ Polaris is always directly Overhead.

Unlike the others (which are false),
Polaris stays in the North (which is how travelers were guided by the
'North Star').

Can you think of another grouping?





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- ** The Big Dipper points to the North Star.**
- ** People at the North Pole can see the North Star.**
- ** People in Australia can see the Big Dipper.**
- ** The Big Dipper is out during the Daytime.**
- ** The North Star is out during the Daytime.**



Can you think of another grouping?





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- ** The Big Dipper points to the North Star.**
- ** People at the North Pole can see the North Star.**
- ** People in Australia can see the Big Dipper.**
- ** The Big Dipper is out during the Daytime.**
- ** The North Star is out during the Daytime.**

Unlike the others (which are true), People in Australia cannot see the Big Dipper (which is part of the fixed stars, in the northern sky).



Can you think of another grouping?





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- an aspirin
- a pencil's eraser
- a tennis ball
- the Sun
- the Moon



Can you think of another grouping?





WDB&W



- an aspirin
- a pencil's eraser
- a tennis ball
- the Sun
- the Moon

Unlike the others (which are the same apparent size at arm's length), a tennis ball does not belong.

Can you think of another grouping?





WDB&W



Light from the candle you see in daytime ...

- 🕯 ... its own Flame.
- 🕯 ... your face.
- 🕯 ... your Eye.
- 🕯 ... your Back.
- 🕯 ... the Sun.
- 🕯 ... the North Star.
- 🕯 ... every fixed Star.



Can you think of another grouping?





WDB&W



Light from the candle you see in daytime ...

- 🕯 ... its own Flame.
- 🕯 ... your face.
- 🕯 ... your Eye.
- 🕯 ... your Back.
- 🕯 ... the Sun.
- 🕯 ... the North Star.
- 🕯 ... every fixed Star.

Unlike the others (which are in sight and thereby reached by the light), your back not belong (because it is not facing the light).

Can you think of another grouping?





WDB&W



- 🐾 The Moon spins.
- 🐾 The Moon has a permanently dark side.
- 🐾 Moonlight is reflected Sunlight.
- 🐾 A Lunar eclipse is from the Earth's shadow.
- 🐾 We always see the same side of the Moon



Can you think of another grouping?





WDB&W



- 🦁 The Moon spins.
- 🦁 The Moon has a permanently dark side.
- 🦁 Moonlight is reflected Sunlight.
- 🦁 A Lunar eclipse is from the Earth's shadow.
- 🦁 We always see the same side of the Moon

Unlike the others (which are true), the 'dark side' does not belong
(as the Moon spins, all sides face the Sun).

Can you think of another grouping?

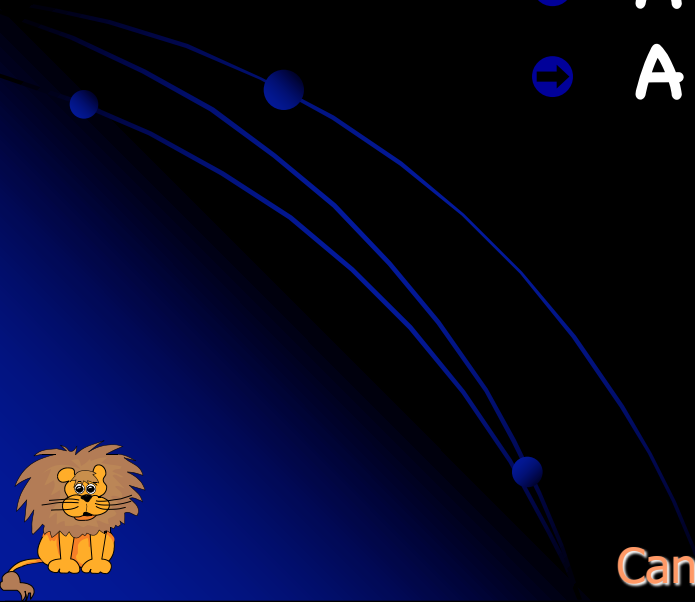




WDB&W



- A light-year
- A millenium
- An astronomical unit
- A mile
- A kilometer



Can you think of another grouping?





WDB&W



- ➔ A light-year
- ➔ A millenium
- ➔ An astronomical unit
- ➔ A mile
- ➔ A kilometer

Unlike the others (which are distances), the millenium does not belong because it is a measure of time (1,000 years).



Can you think of another grouping?





WDB&W



Summer is hotter because ...

- ➔ ... the Sun is higher overhead.
- ➔ ... the Earth is closer to the Sun.
- ➔ ... the days are longer.
- ➔ ... the Sun rises closer to due East.
- ➔ ... the Sun sets closer to due West.



Can you think of another grouping?





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Summer is hotter because ...

- ➔ ... the Sun is higher overhead.
- ➔ ... the Earth is closer to the Sun.
- ➔ ... the days are longer.
- ➔ ... the Sun rises closer to due East.
- ➔ ... the Sun sets closer to due West.

Unlike the others (which are true), the 'Earth is closer' does not belong because it's farther in Summer.
(The one that really matters is the Sun being overhead, shining through less atmosphere.)



Can you think of another grouping?





WDB&W



- ✦ Sound Waves
- ✦ Light Waves
- ✦ Micro Waves
- ✦ Heat Waves
- ✦ Radio Waves



Can you think of another grouping?





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- ✦ **Sound Waves**
- ✦ **Light Waves**
- ✦ **Micro Waves**
- ✦ **Heat Waves**
- ✦ **Radio Waves**



Unlike the others (which can travel through space), Sound Waves do not belong (because they need air or some other medium to move).

Can you think of another grouping?

