

What kind of beer do aliens drink?

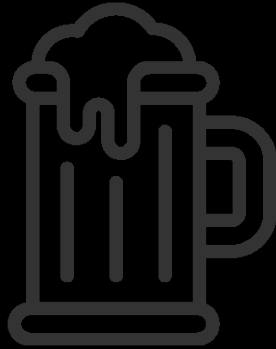
Or how do we characterize exoplanet atmospheres



How do we tell beers apart?



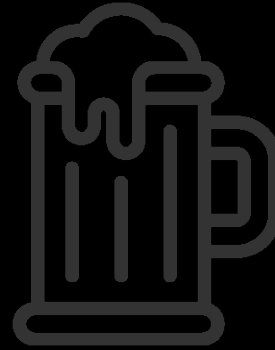
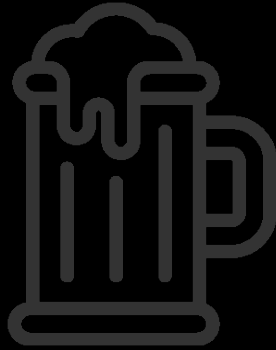
How do we tell beers apart?



How do we tell beers apart?



Lager



How do we tell beers apart?



Lager

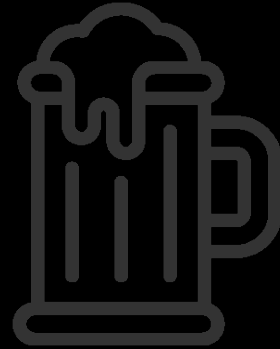
How do we tell beers apart?



Lager



Guinness



How do we tell beers apart?



Lager



Guinness



How do we tell beers apart?



Lager



Guinness



Cherry

But what about aliens?

But what about aliens?

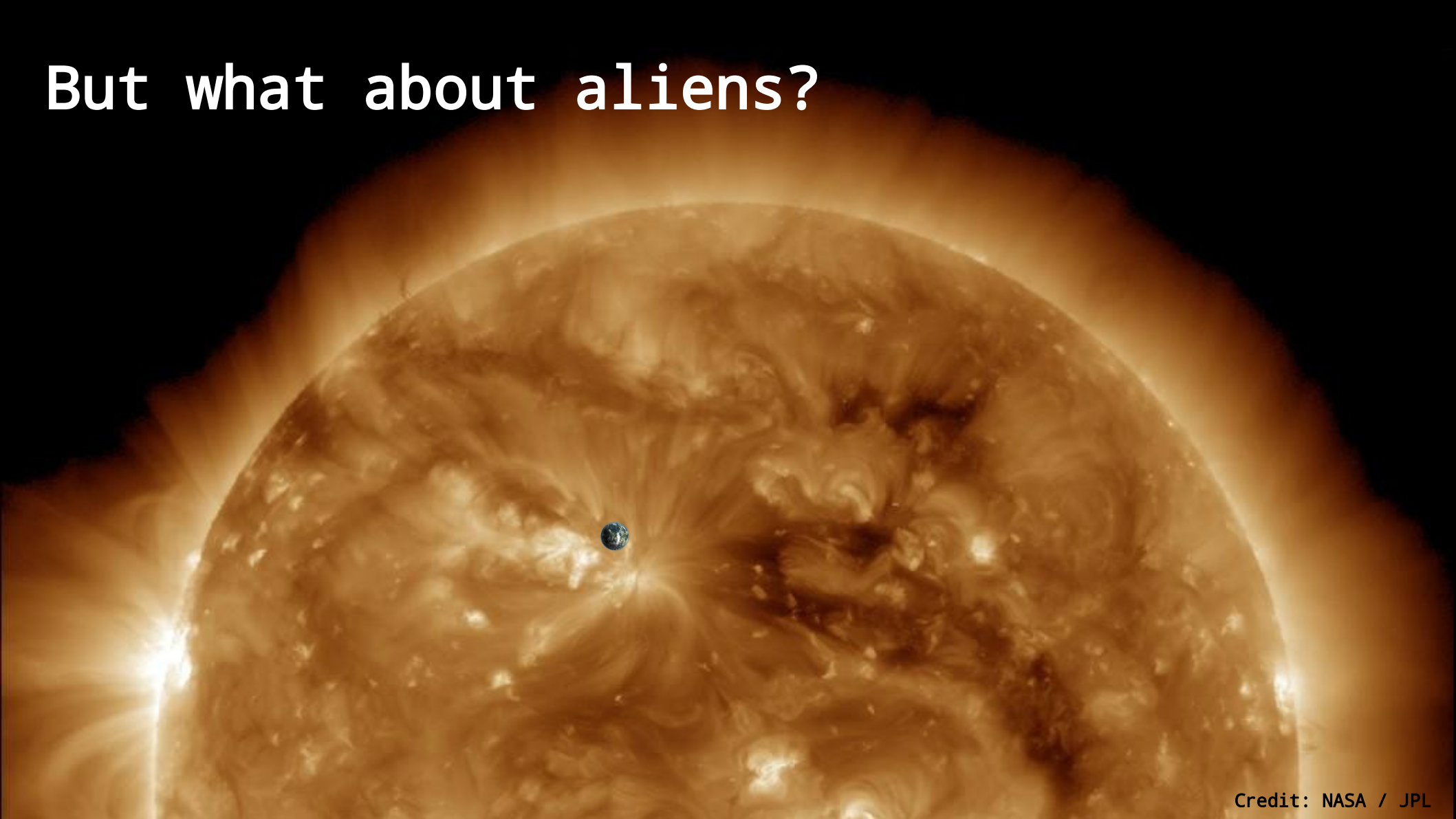


But what about aliens?

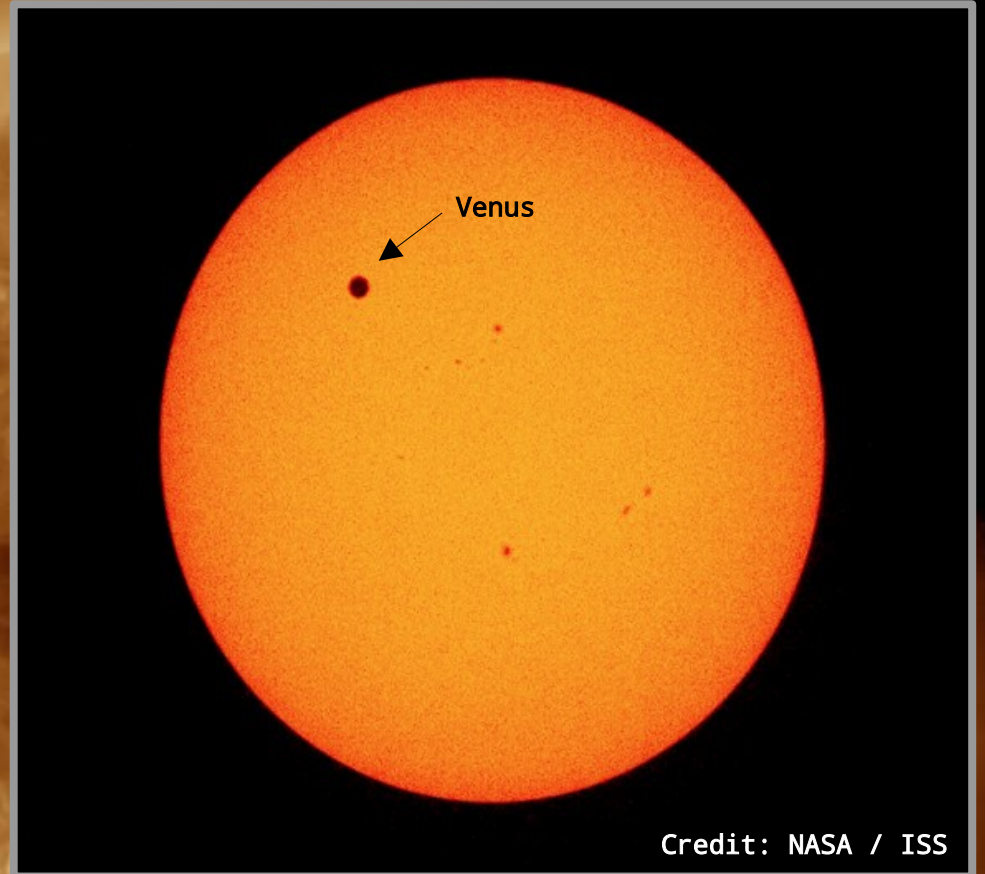


Credit: NASA / JPL

But what about aliens?



But what about aliens?

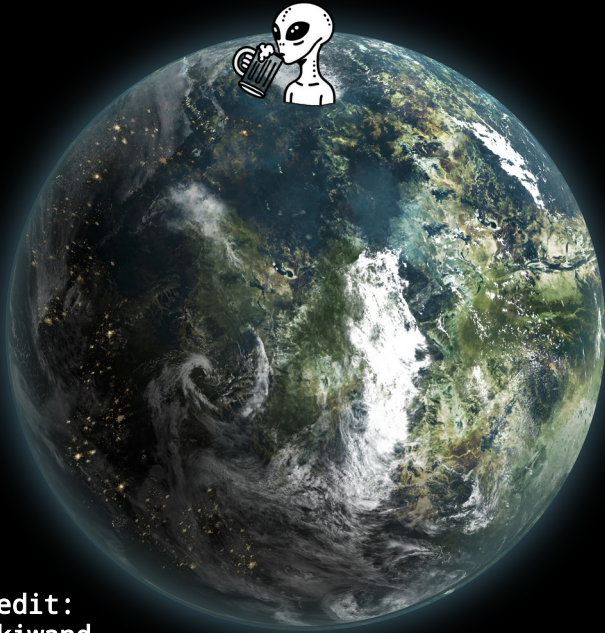


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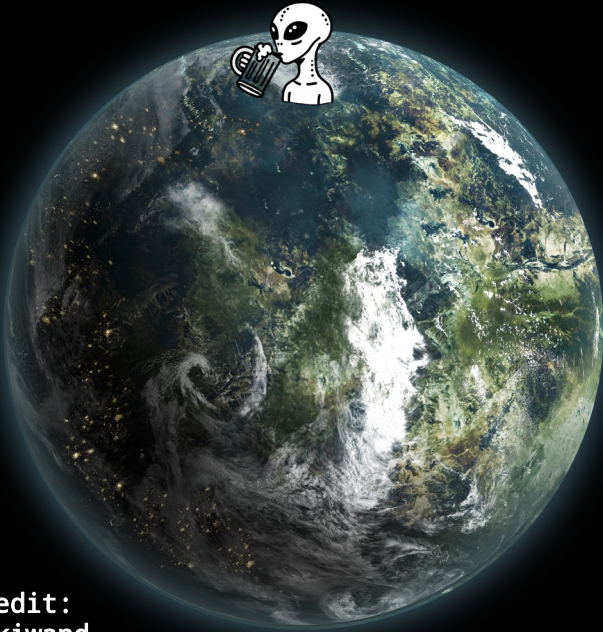
Not the actual size

What kind of beer do aliens drink?



Credit:
Wikiwand

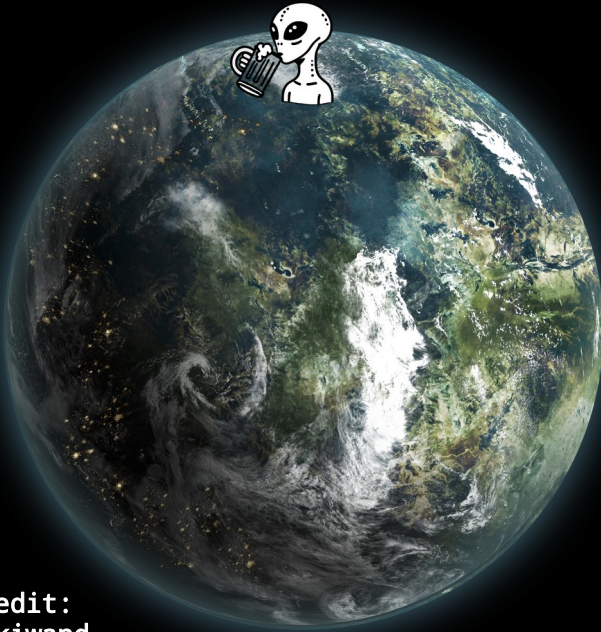
~~What kind of beer~~
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Credit:
Wikiwand

~~What kind of beer
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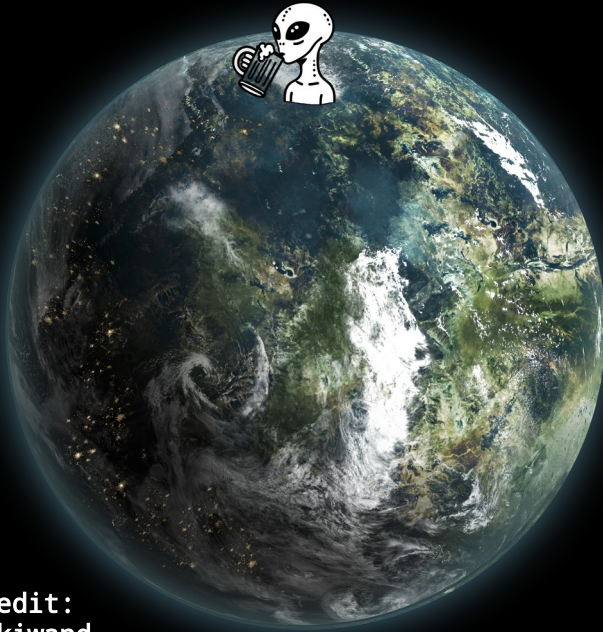
But what about
something bigger?



Credit:
Wikiwand

~~What kind of beer
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But what about
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Credit:
Wikiwand



Credit:
UK Met Office

Looking through atmospheres

Looking through atmospheres



Credit: NASA / JPL

Looking through atmospheres

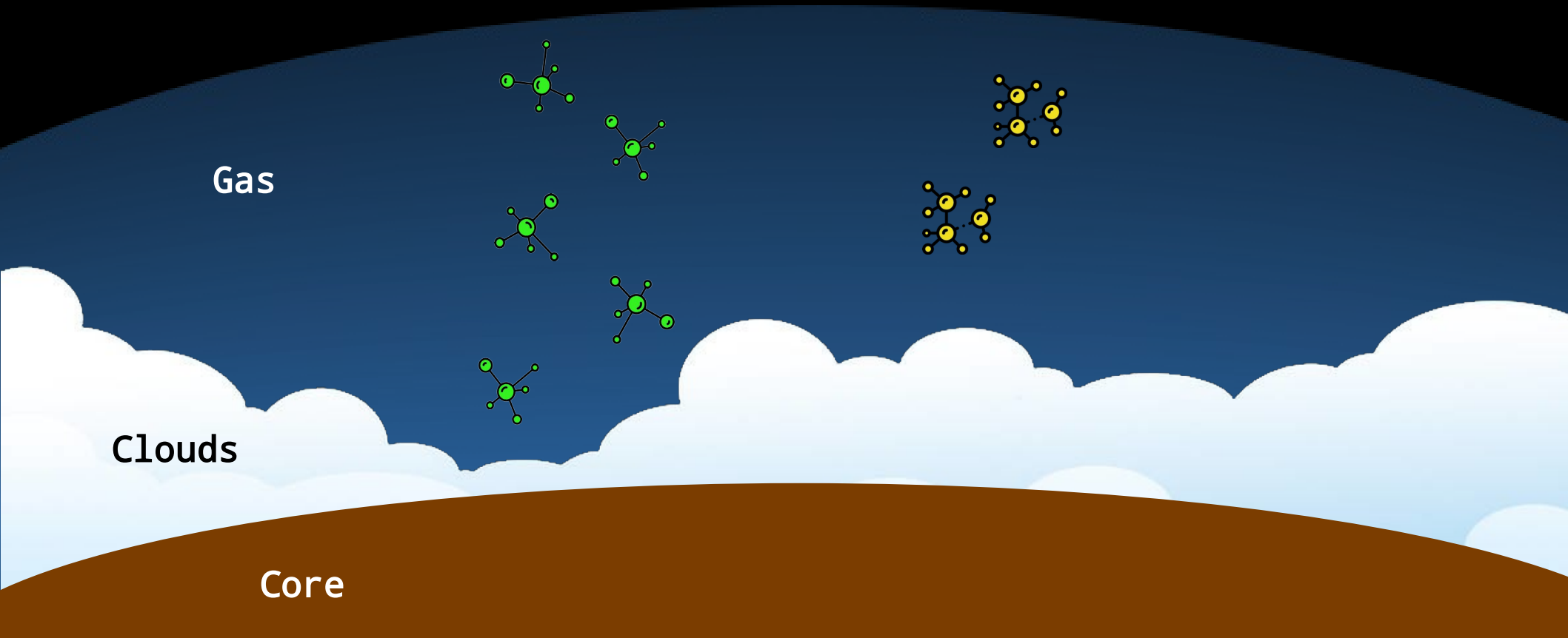


Credit: NASA / JPL

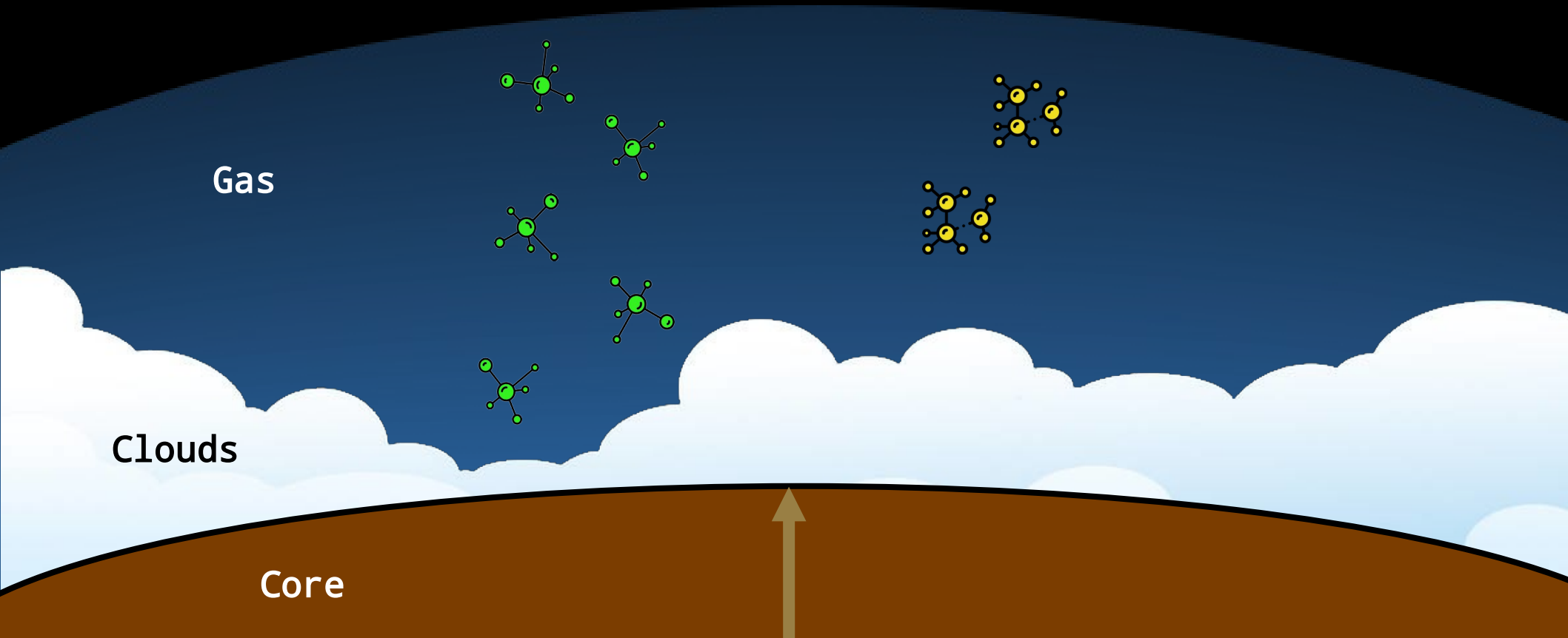


Credit: Jessie Eastland

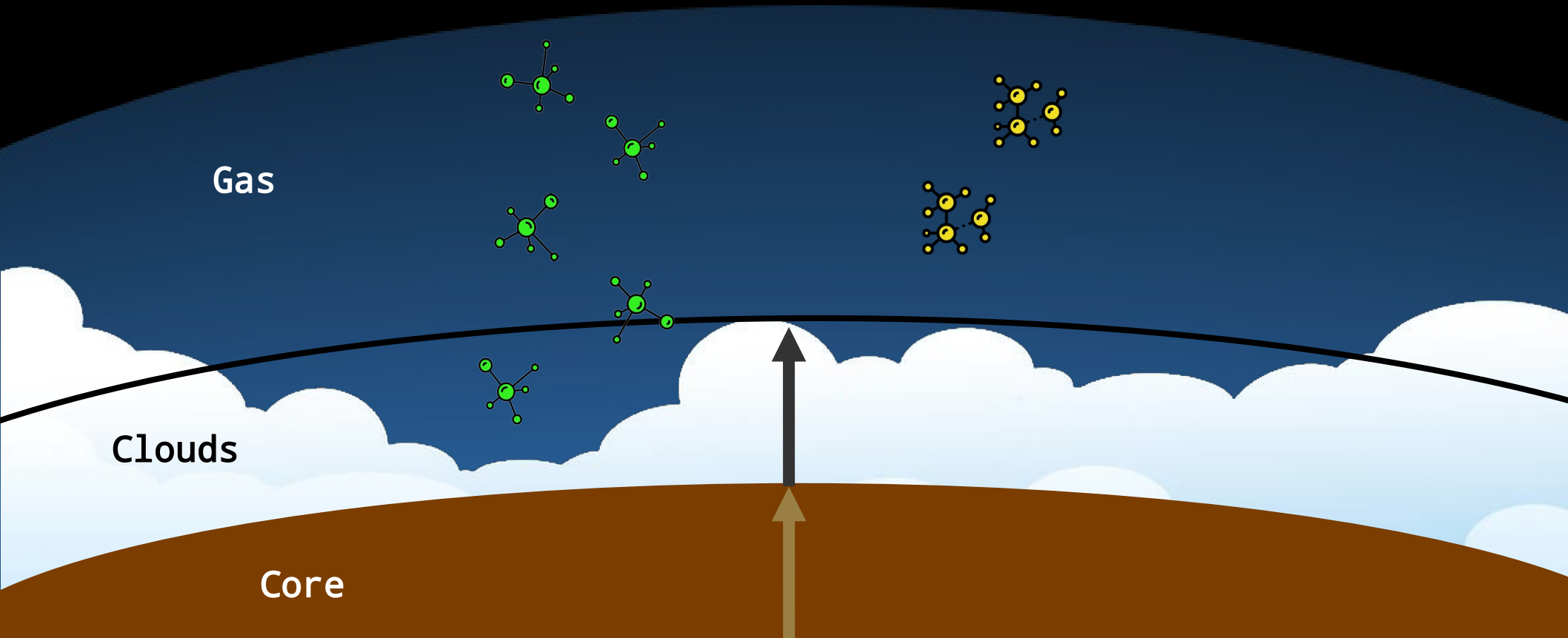
Looking through atmospheres



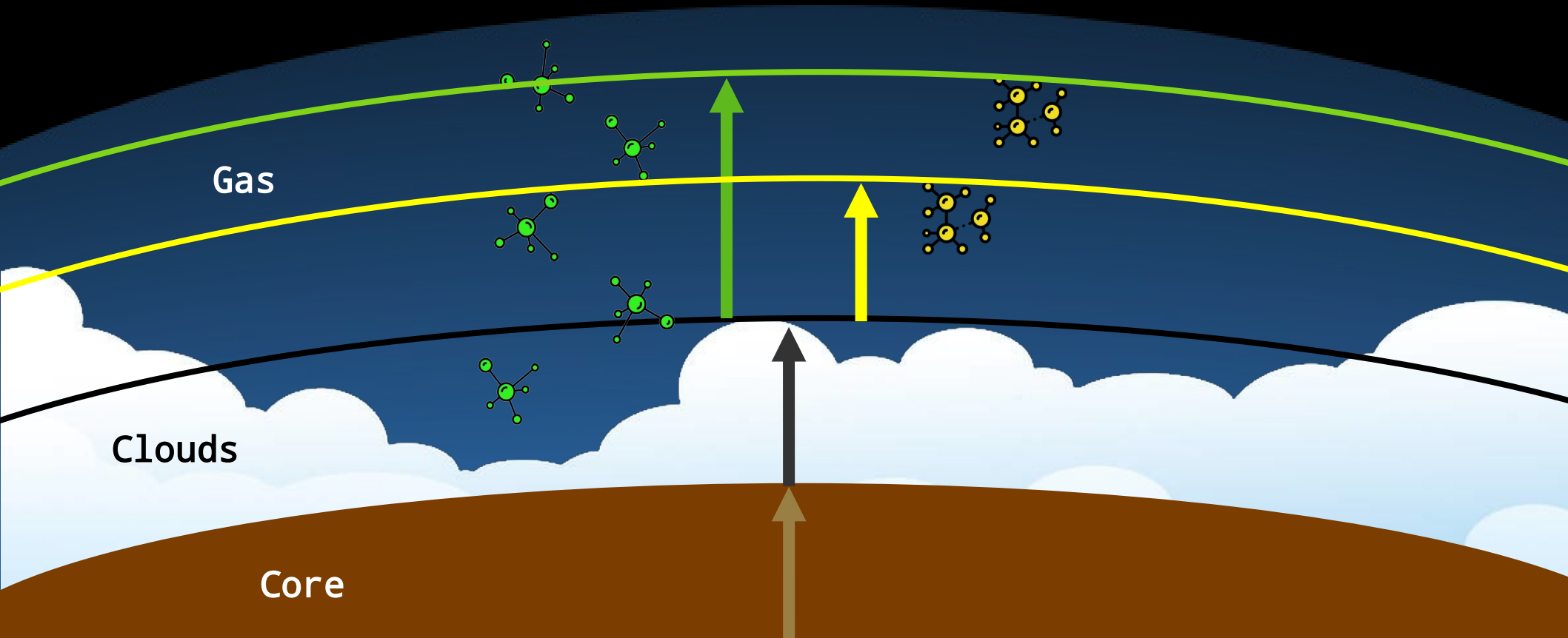
Looking through atmospheres



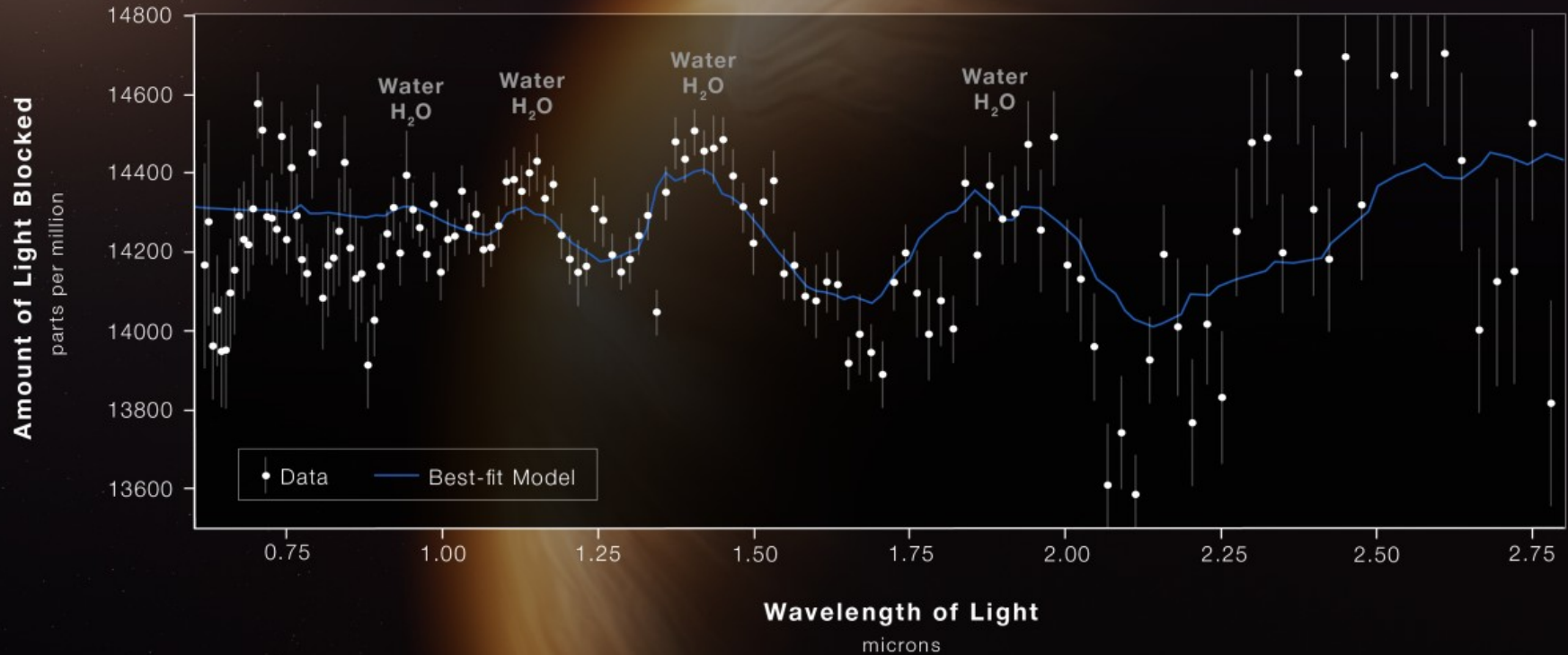
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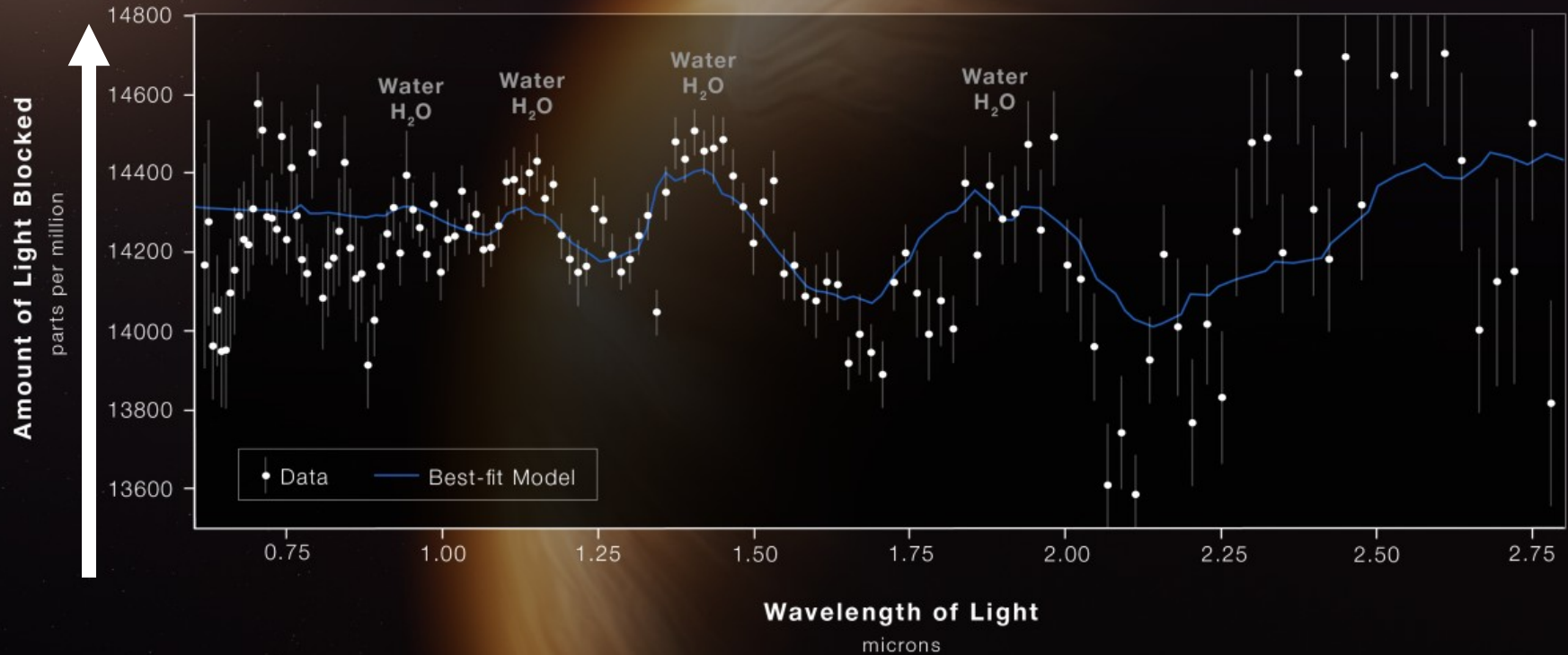
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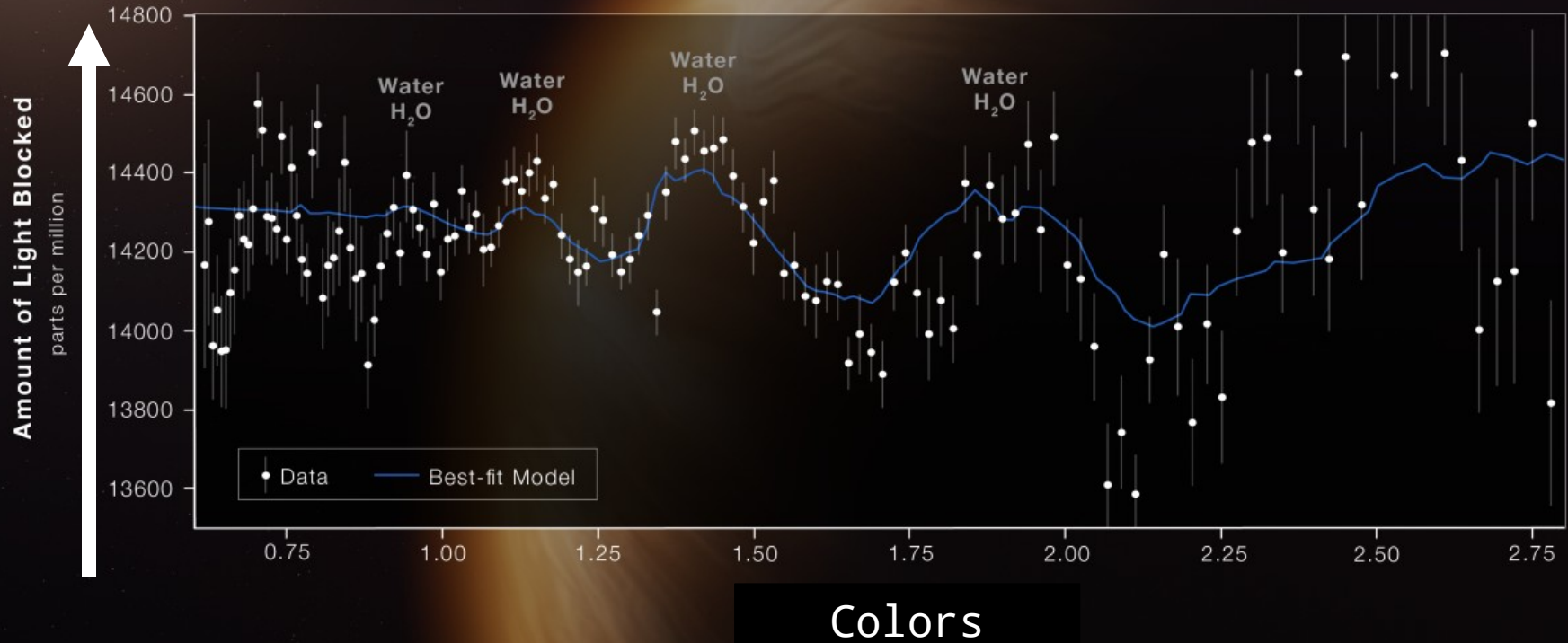
What do astronomers see? – JWST!



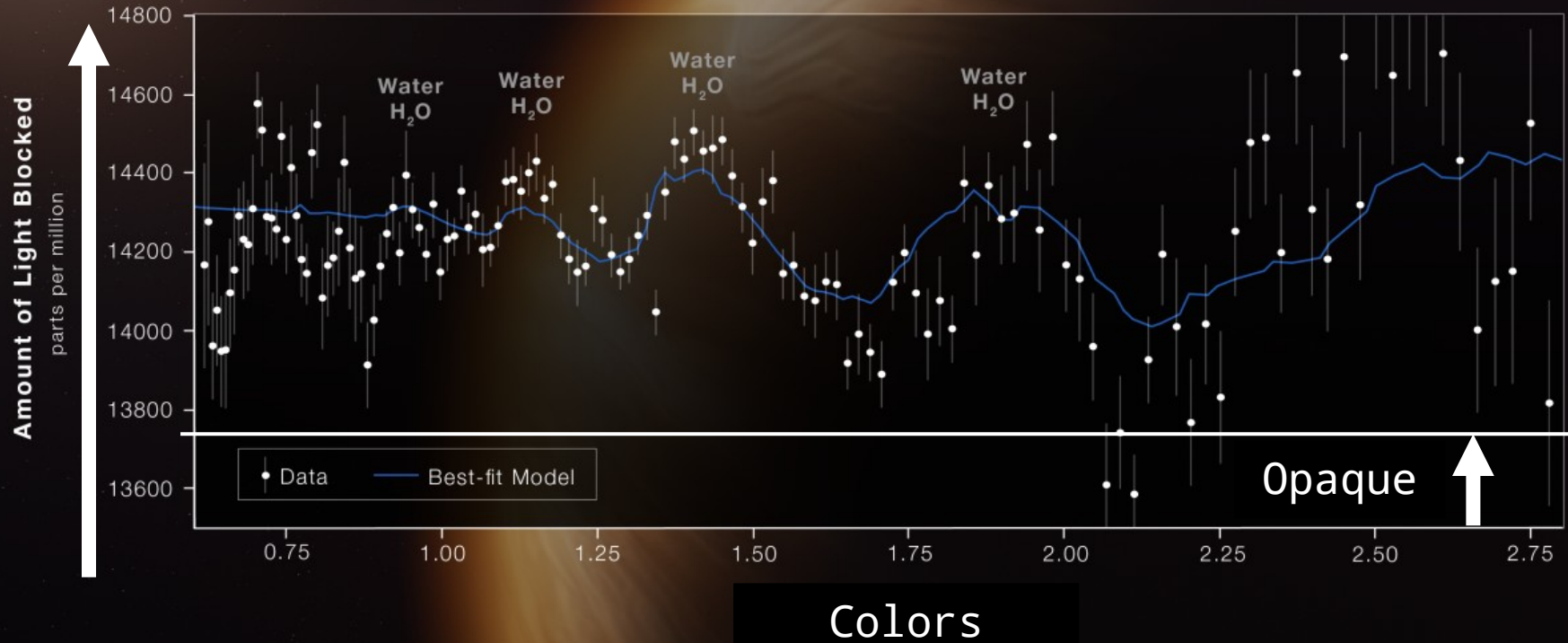
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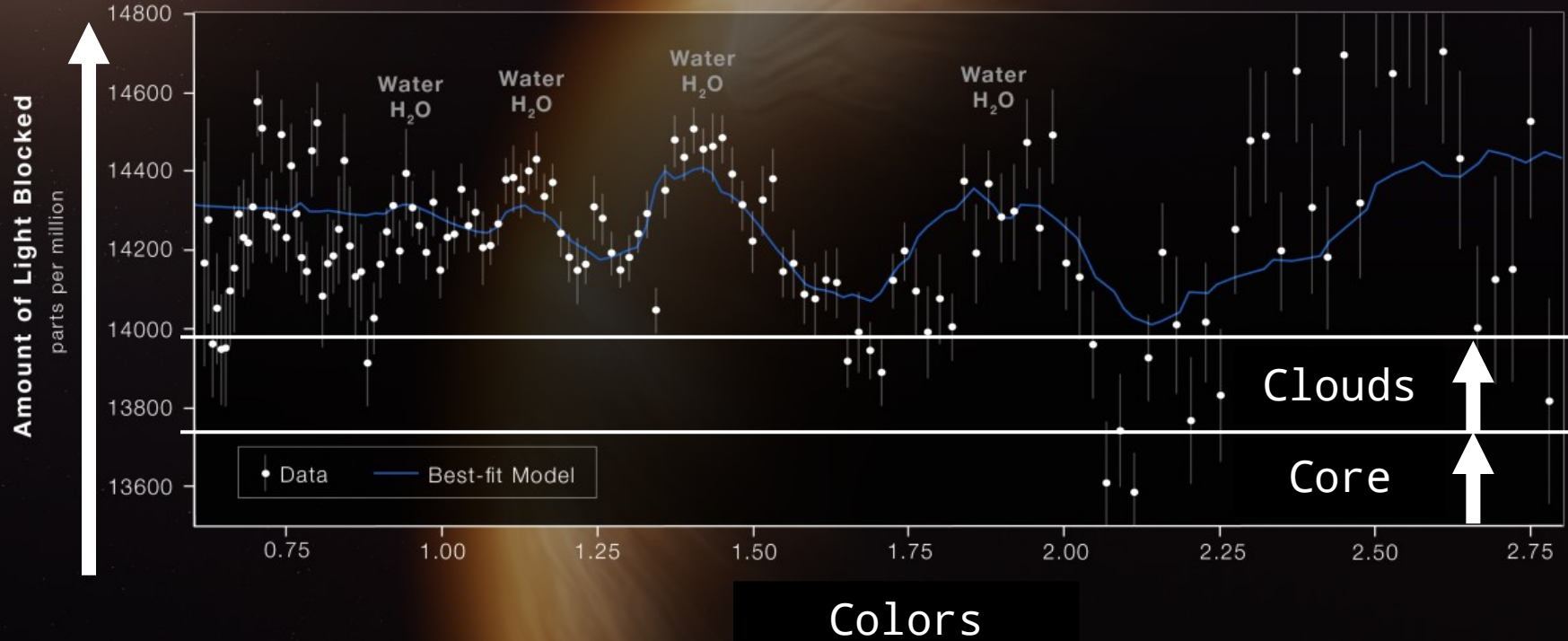
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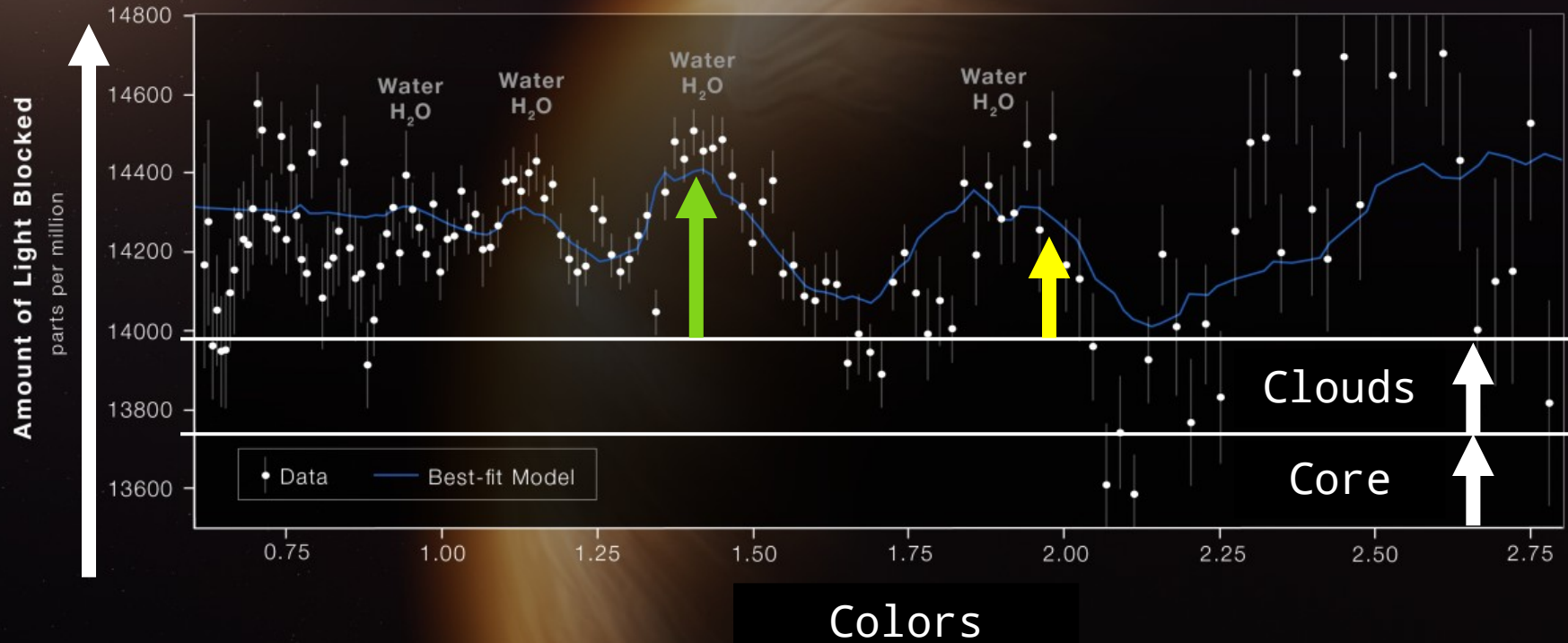
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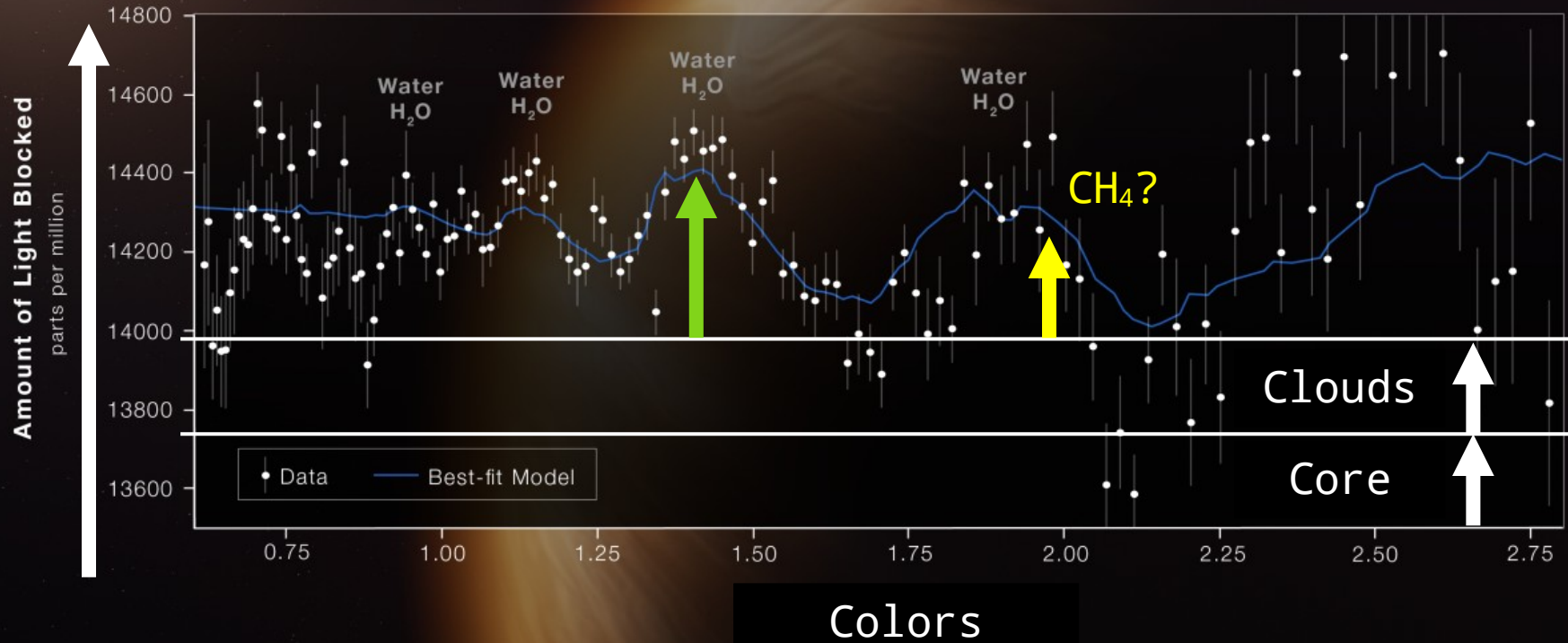
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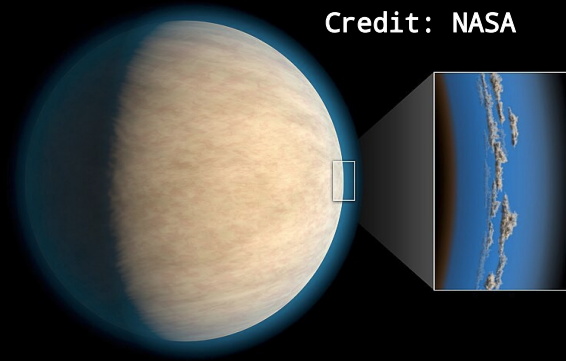


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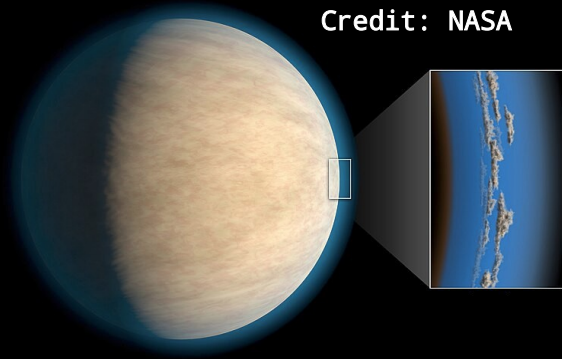
What have we found?

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Clouds!

What have we found?



Clouds!

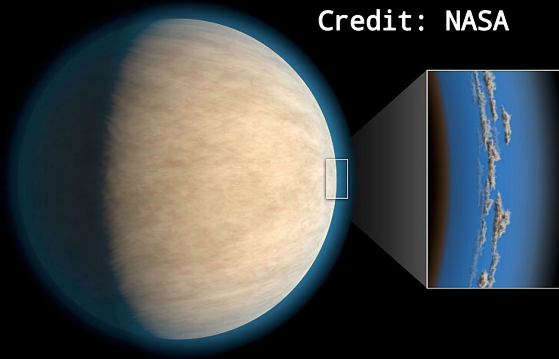


3D structure!

That's Jupiter!



What have we found?



Credit: NASA

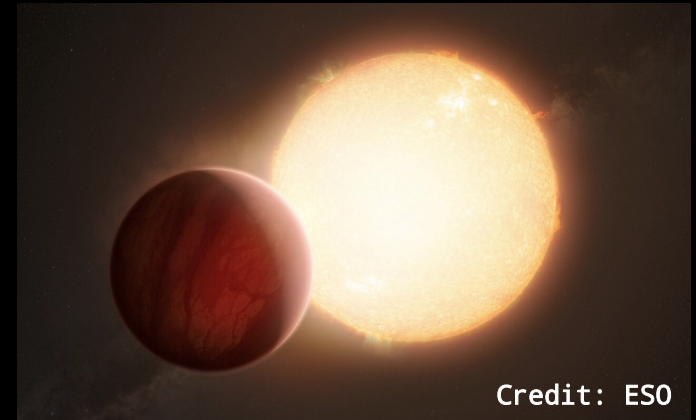
Clouds!



Credit:
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3D structure!

That's Jupiter!



Credit: ESO

Photochemistry!

So what comes next . . .

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What are exoplanets
made of?



Credit: NASA / ISS

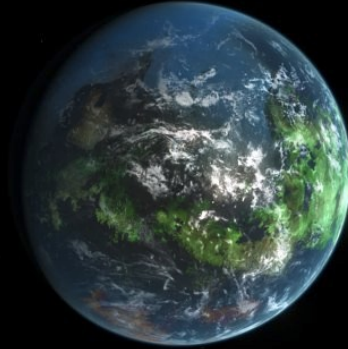
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