A New World!

Scientists discover an earthlike planet.

Would you like to have a birthday party every 13 days? Then Gliese 581c is the place for you!

Astronomers recently found the planet Gliese 581c. It orbits the star Gliese 581 once every 13 days. Earth orbits its star, the sun, every 365 days.

Gliese 581c is an exoplanet-a planet that exists beyond our solar system. It is the most earthlike exoplanet discovered so far.

Astronomers say there could be liquid water on Gliese 581c. And where there's water, there could be life. "Liquid water is critical to life as we know it,"



Credit ESO

An artist's drawing of the earth-like planet Gliese
581c.

says Xavier Delfosse, one of the scientists who discovered the planet. "This planet will most probably be a very important target of the future of space missions... On the treasure map of the universe, one would be tempted to mark this planet with an X," says Delfosse.

Planet Files

Earth

- · is 8,000 miles across.
- · is made of rock, ice, and liquid water.
- \cdot is one of eight planets in its solar system.

Gliese 581c

- · is estimated to be 12,000 miles across.
- · is probably made of rock and might have ice and liquid water.
- · is one of three planets in its solar system.

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C. circles
D. walks

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5. The primary purpose of this passage is to describe				
A. a new planet with similarities to Earth				
B. a new alien species that will visit Earth C. a new comet that may collide with Earth D. a new star that Earth will orbit				
				6. Why would you have a birthday every 13 days on Gliese 581c?
7. Why is the planet Gliese 581c such an exciting discovery?				
8. The question below is an incomplete sentence. Choose the word that best completes the sentence.				
Astronomers are excited about Gliese 581c there could be liquid water there, which means there could be life.				
A. so				
B. because				
C. although				
D. but				
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ReadWorks*	A New World! - Vocabulary: estimate
Name:	_ Date:
1. What is a meaning of the word estimate?	
A. someone who controls resources and e	xpenditures
B. ceramic ware made from clay and bake	
C. to calculate roughly, often from imperfe	ct data
2. What is another meaning of the word esting	mate?
A. the study of Earth	
B. to guess carefully	
C. a military officer	
Please use each answer choice only once completes the sentence.	e. Choose the one word that best
3. There were an 100,000 tigers in the	e early 20th century.
A. underestimate	
B. estimates	
C. estimated	
D. estimating	
E. estimation	
F. estimate	
4. Scientists that this mushroom migh	t be 2,400 years old.
A. underestimate	
B. estimates	
C. estimated	
D. estimating	
E. estimation	
F. estimate	

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ReadWorks*	A New World! - Vocabulary: estimate
5. Some modern	indicate that 200,000 people may have lived in the city at its
peak.	
A. underestimate	
B. estimates	
C. estimated	
D. estimating	
E. estimation	
F. estimate	
6. The architects and	engineers who are designing the building, planning the time
schedule, and	the costs have a good idea what to expect but must know
precisely.	
A. underestimate	×
B. estimates	
C. estimated	
D. estimating	
E. estimation	
F. estimate	
	better in the farmer's than two farm fresh eggs cooked op some bacon strips.
A. underestimate	
B. estimates	
C. estimated	
D. estimating	
E. estimation	
F. estimate	

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10. What would you like to remember about the meaning of the word estimate so that	ReadWorks'	A New World! - Vocabulary: estimate
B. estimates C. estimated D. estimating E. estimate 9. Please write your own sentence using the word estimate. 10. What would you like to remember about the meaning of the word estimate so that you can use it when you write or speak?	8. Boys with muscles always	me.
C. estimated D. estimating E. estimation F. estimate 9. Please write your own sentence using the word estimate. 10. What would you like to remember about the meaning of the word estimate so that you can use it when you write or speak?	A. underestimate	
D. estimation F. estimate 9. Please write your own sentence using the word estimate. 10. What would you like to remember about the meaning of the word estimate so that you can use it when you write or speak?	B. estimates	
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you can use it when you write or speak?	F. estimate	
you can use it when you write or speak?	9. Please write your own senten	ce using the word estimate .
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