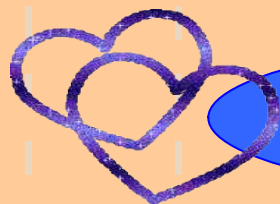


吉祥



great  
scientists





## Words preview

**movement** n. 移动; 运动; 动作

**backward** adv. & adj. 向后地(的)  
相反地(的); 退步地(的)

**spin** vt. & vi. (使)旋转; 纺(线或纱)

**enthusiastic** adj. 热情的; 热心的

**cautious** adj. 小心的; 谨慎的

**reject** vt. 拒绝; 丢弃; 抛弃

**universe** n. 宇宙; 世界



## Expressions preview



(be) strict with

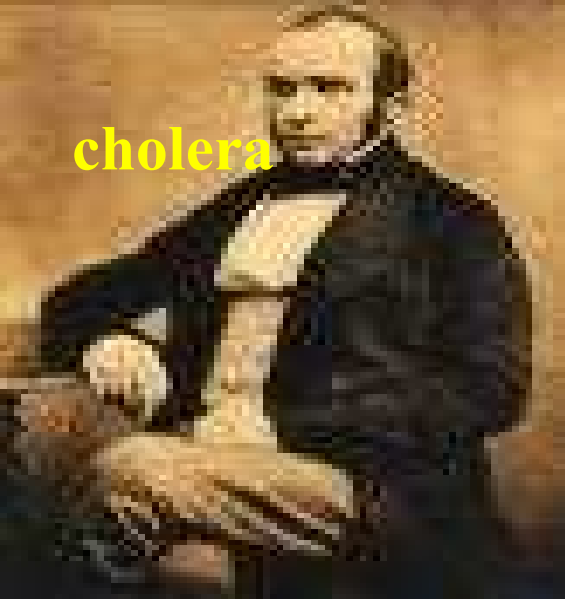
对.....严格的

make sense

讲得通; 有意义

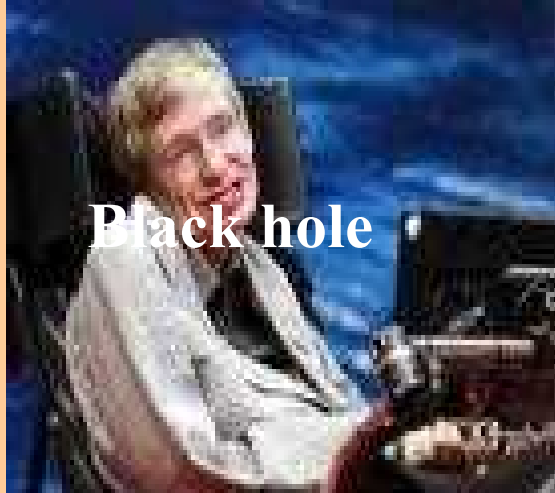


**cholera**



**John Snow**

**Black hole**



**radium**

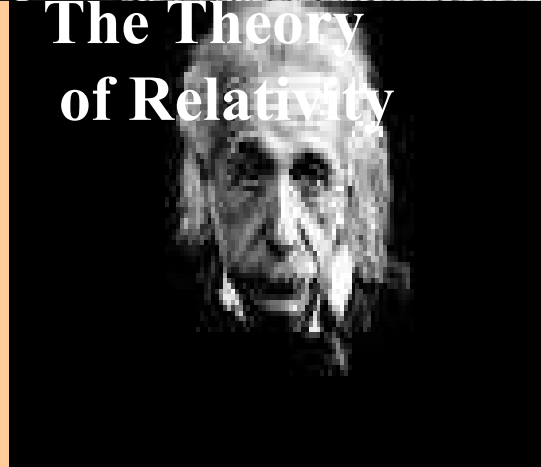


**Madame Curie**

**Hybrid rice**



**The Theory  
of Relativity**

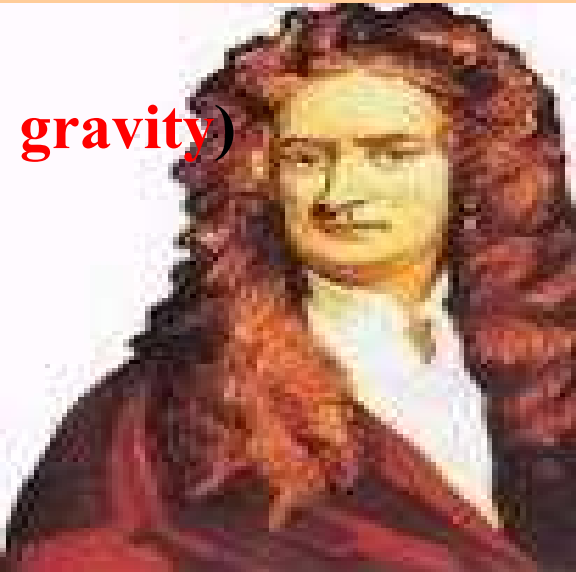


**Jane Goodall**



**chimps**

**Isaac Newton**

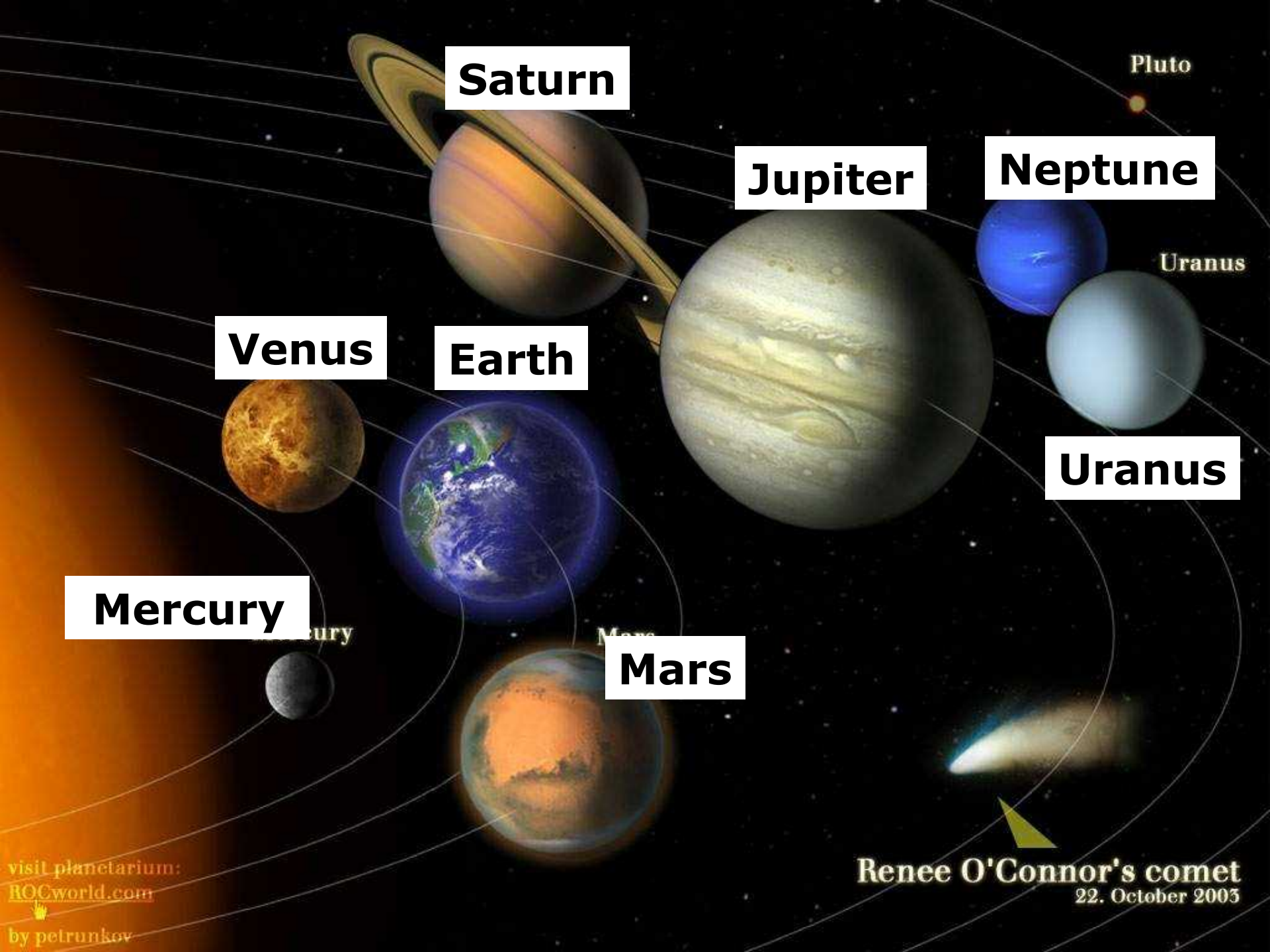


**gravity)**



# Warming up

- **Do you know what is the center of the solar system?**
- **Can you name the eight planets in the solar system?**



**Saturn**

**Jupiter**

**Neptune**

**Venus**

**Earth**

**Uranus**

**Mercury**

**Mars**

Pluto

Uranus

**Renee O'Connor's comet**  
22. October 2003

visit planetarium:  
[ROCworld.com](http://ROCworld.com)  
by petrunkov

**eight planets  
in the Solar  
System:**

**Mercury**

**水星**

**Venus**

**金星**

**Earth**

**地球**

**Mars**

**火星**

**Jupiter**

**木星**

**Saturn**

**土星**

**Uranus**

**天王星**

**Neptune**

**海王星**



Reading

# **COPERNICUS' REVOLUTIONARY THEORY**

# Who is he, do you know? Copernicus



尼古拉·哥白尼1473年出生于波兰,是现代天文学创始人。40岁时,哥白尼提出了日心说,并经过长年的观察和计算完成他的伟大著作《天体运行论》。由于受到时代的局限,在日心说中保留了所谓“完美的”圆形轨道等论点。其后开普勒建立行星运动三定律,牛顿发现万有引力定律,以及行星光行差、视差相继发现,日心说遂建立在更加稳固的科学基础上。

1533年，60岁的哥白尼在罗马做了一系列的讲演，但直到他临近古稀之年才终于决定将它出版。1543年5月24日去世的那一天才收到出版商寄来的一部他写的书。哥白尼的“日心说”沉重地打击了教会的宇宙观，这是唯物主义和唯心主义斗争的伟大胜利。哥白尼是欧洲文艺复兴时期的一位巨人。他用毕生的精力去研究天文学，为后世留下了宝贵的遗产。哥白尼遗骨于2010年5月22日在波兰弗龙堡大教堂重新下葬。

# Copernicus



or ?

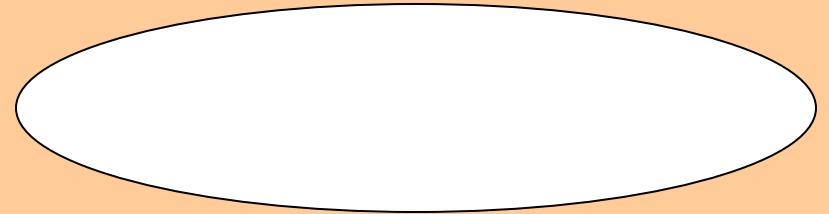


## Pre-reading



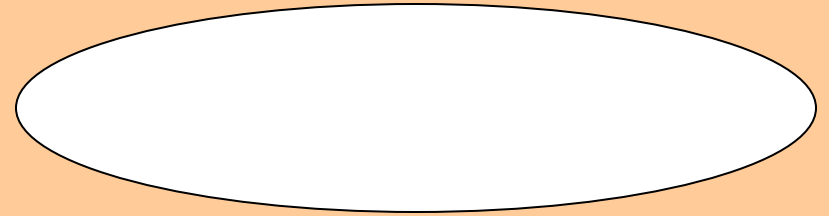
**We know the first scientist is Copernicus. He was one of the first scientists to use mathematical observations to collect information. He believed the sun is the center of the universe and the earth and other planets went around it.**

Skim the text and draw the two theories of the universe with the following pictures.

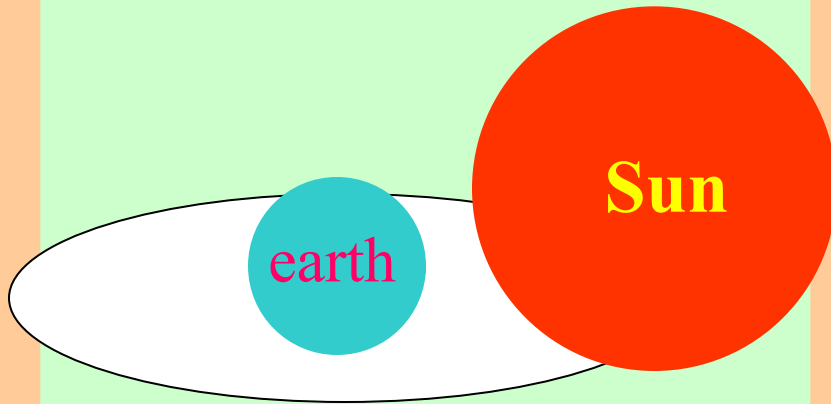


Before Copernicus' theory

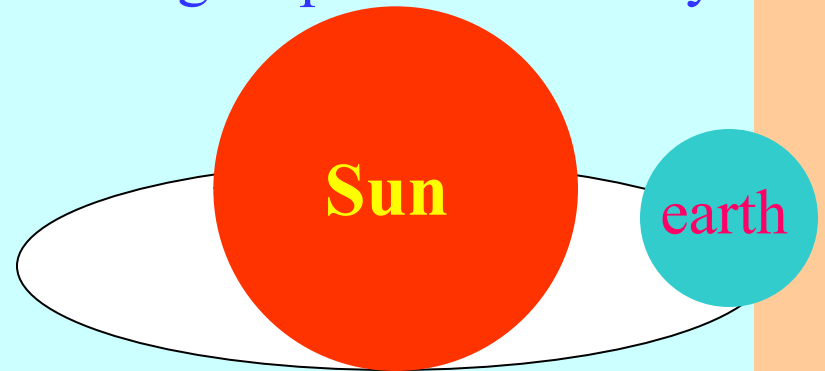
Showing Copernicus' theory



Before Copernicus' theory



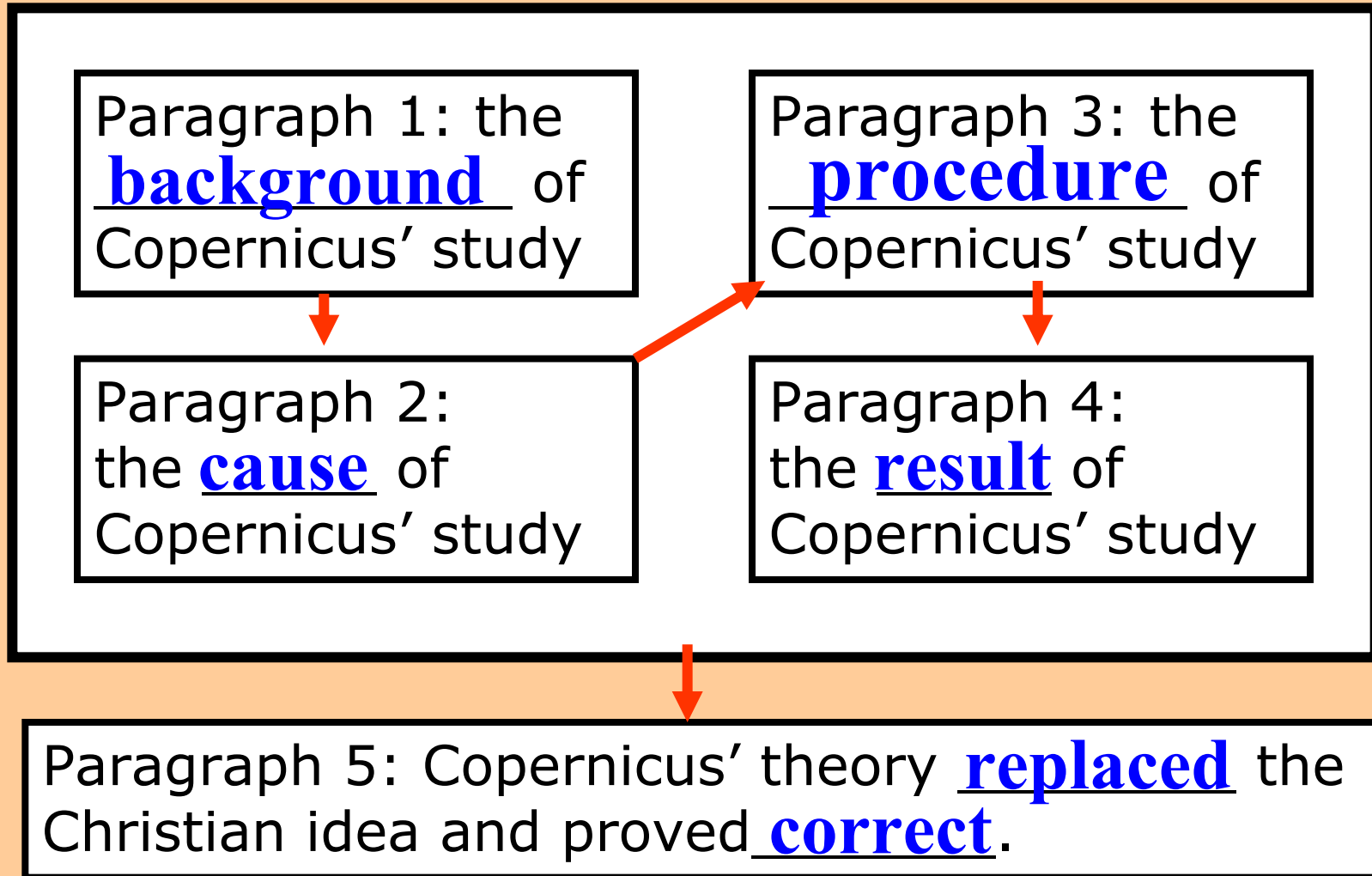
Showing Copernicus' theory



**Read the passage  
and summarize  
the general idea**



# Mind map of the text



**Read through the passage, and tell whether the following statements are true or false.**

- 1. At Copernicus' time, Christian Church was in charge of many western countries. T**
- 2. Copernicus noticed that observed from the earth, some planets appears in front of or behind the earth. F**
- 3. Copernicus didn't show his new theory to his friends until he completed it. T**

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/557156153022006134>