

Robots | Ancient Discoveries

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Review:

(Ecclesiastes 1:9-11) "The thing that hath been, it *is that* which shall be; and that which is done *is that* which shall be done: and *there is* no new *thing* under the sun. **{10}** Is there *any* thing whereof it may be said, See, this *is* new? it hath been already of old time, which was before us. **{11}** *There is* no remembrance of former *things*; neither shall there be *any* remembrance of *things* that are to come with *those* that shall come after."

Review:

1. Programable gadgets been around for_____
2. What led to the modern robots we see today?

3. What were some of Leonardo Da Vinci inventions:
 - _____
 - _____
 - _____
 - _____
 - _____

Robot warriors in Ancient Greek

4. Homer, the writer of the Tale of Troy, tells of the god Hephaestus, the Greek god of smelting and metalwork (the god of blacksmiths). What did this god make?

5. Talos was made as a gift to the King of Crete. What was the job of Talos?

6. Alexandria, around 300 BC, was the start of what?

7. Who was called the godfather of robotics?

8. What fully automated devices did Heron create?

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9. What is the name of the device that allows a wheel to produce a push or a pull.

What is this invention used for today?

10. A theatre with no actors, only what?

 What would you say this is a prototype for?

Ancient China

11. What did the Ancient Chinese invent to ensure they knew which direction was their capital?

12. The high-tech chariot lead to what invention in modern cars today?

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13. What was one of the most reliable forms of energy in the ancient world?

14. What was one device that used water to run?

15. At the temple in Karnak, an alabaster jar dating back to the reign of Amenhotep III, which was 3,000 years ago, was the first

16. An ancient engineer and clockmaker, Al-Jazari, made the Castle clock believed to be the world's first programable supercomputer because it was programmed to account for what?

17. There are stories of Fully programable and self-propelled ancient robots throughout Chinese history. What did the little robot maid do?

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18. What robot did Leonardo Da Vinci make that was fully self-propelled?

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Robots

Answer Key:

1. Two millennia (2,000 years)
2. The proto-robots 2,000 years ago.
3.
 - Counterweight cranes
 - Helicopter
 - Wing designs for futuristic flying
 - Large war tanks with cannons (designed 400 years before used in battle)
 - Fully automated android made to look like a knight
4. He forged robots, described as having three legs, that could move and operate independently like living beasts.
5. To defend the island of Crete from its enemies
6. The start of Robotics
7. Heron of Alexandria
8.
 - Self-opening automated doors to the temples
 - Automated theaters
 - Flaming chariots moving on their own
 - A device that pores wine
9. The Cam, All engines
10. Robots, Modern day Television
11. A high-tech chariot
12. differential gear mechanism
13. Water
14. An Ancient pipe organ

15. Water Clock
16. The change in daylight hours
17. Carried water or wine to a guest at the dinner table
18. A lion walked to the King of France, and its chest opened to give him flowers