

Eureka!

1. Choose the **two** sentences that **best** support the conclusion that Archimedes is very observant.
 - A. There was in the king's court a very wise man whose name was Archimedes.
 - B. When he was called in to admire the king's crown he turned it over many times and examined it very closely.
 - C. "True," said Archimedes, "but it does not appear to have the same rich red color that it had in the lump..."
 - D. "Most gold is yellow," said Hiero; "but now that you speak of it I do remember that when this was in the lump it had a much richer color."
 - E. But Archimedes was not the man to say that anything was impossible.
2. Which sentence **best** summarizes a central idea of the text?
 - A. Tricking a king can be dangerous.
 - B. Creating a beautiful object is challenging.
 - C. Problems can be solved in unusual ways.
 - D. Kings can solve problems as cleverly as ordinary people.

3. Read the sentence from the text.

"Anybody can see that I displaced a bulk of water equal to the bulk of my body."

What does the word **bulk** **most likely** mean?

- A. Majority
 - B. Mass
 - C. Part
 - D. Segment
4. Summarize what happens after Archimedes sees his bath water overflowing. Use key events from the text to support your summary.

5. Which statement is **most** accurate about **both** the goldsmith and Archimedes?
 - A. Both receive praise, and both are very private about their work.
 - B. Both take pride in their work, but one deceives and the other is truthful.
 - C. Both are awed by the power of the king, and both are eager to please him.
 - D. Both are eager to be rewarded by the king, but only one of them is successful.
6. What effect does the conversation between Archimedes and the king have on the reader's understanding of the events in the plot?
 - A. It explains clearly what the king has asked the goldsmith to do.
 - B. It explains clearly why the king begins to doubt the goldsmith.
 - C. It shows that Archimedes believes that solving the problem is impossible.
 - D. It shows that the king is determined to discover the truth about the crown himself.
7. What conclusion can be drawn about the character of Archimedes? Support your answer with details from the text.

8. Read the sentence from the text.

“He ran through the streets to the king’s palace shouting, ‘Eureka! Eureka! Eureka!’ which in English means, “I have found it! I have found it! I have found it!”

What effect does the author create by repeating the word “Eureka!”

- A. It emphasizes the triumph Archimedes feels.
- B. It demands the everyone admire him for his discovery.
- C. It warns others that he has made a dangerous discovery.
- D. It shows the desperation Archimedes feels as he tries to solve his problem.