

# How taking a bath led to Archimedes' Principle

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**Listen to the video and answer these questions from TED-ED.**

- 1) Salata says that some of the best opportunities to learn are the moments in which we are...
  - A...most self aware.
  - B...prepared.
  - C...perplexed.
  - D...overly excite
  
- 2) When and where was Archimedes born?
  - A 900 AD; Rome
  - B 287 BC; Syracuse
  - C 2,000 BC; Manhattan
  - D 287 AD; Florence
  
- 3) What determined how much water was displaced from Archimedes bathtub?
  - A How much of his body was immersed
  - B How hot the water was
  - C How long he stayed in the tub
  - D What type of soap he used
  
- 4) What property did Archimedes need to determine in order to solve the king's mystery?
  - A The width of the king's head
  - B The weight of silver
  - C The density of the crown
  - D The cost of the crown
  
- 5) These days, using the way an object displaces water to determine volume is called:
  - A The Bathtub Principle
  - B Archimedes' Principle
  - C The Principal's Office Save my answer
  - D Water Displacement Principle