

EMIS QUIZ

Name: _____

Class: _____

1. Read this passage carefully and answer the following questions by choosing the correct options:

Do you know the difference between a submarine and a submersible? A submarine is a watercraft that is capable of independent operation under the sea. Submarines do not require support ships because submarines can renew their air and power supplies independently. Submersibles also submerge and operate underwater, but they need the support of a larger vessel. Submersibles cannot renew their air and power supplies without support. For this reason ,submersibles are usually smaller and cannot spend as much time underwater as submarines. The first documented submersible was constructed in 1620 by Cornelius Drebbel. It was powered by rowing oars underwater. Though this craft was originally designed for underwater exploration, it did not take long for inventors and makers of war to recognize the military potential of the submersible. In 1648 Bishop John Wilkins wrote, "It may be of great advantages against a Navy of enemies, who by this may be undermined in the water and blown up." Over one-hundred years later, the first military

submarine was ready to be deployed. The Turtle was the world's first submarine used in combat. Designed by David Bushnell in 1775, it was deployed by the Continental Army during the American Revolutionary War. Though the Turtle did utilize a support ship in combat, it was fully capable of renewing its air and power supplies independently; therefore, the Turtle is considered to have been a submarine and not a submersible. The Turtle was powered by hand-cranked propellers and was named as such because it resembled a turtle. The Turtle was later destroyed by the British. Despite this failure, the Turtle is still remembered as the first submarine used offensively during war. Modern submarines are now powered by a nuclear reactor. The nuclear reactor generates a tremendous amount of power and frees the submarine from the need to occasionally surface. The large amount of power generated by these reactors allows submarines to operate at high speeds for long durations. Current nuclear submarines never need to be refueled throughout their 25-year life-spans.

i. Who designed the first submersible?

- A. David Bushnell
- B. Cornelius Drebbel
- C. Bishop John Wilkins
- D. The Continental Army

ii. How do the modern submarines get power?

- A. By using nuclear reactors
- B. By using solar power
- C. By using air supply
- D. By using electric generators

iii. Who destroyed the first submarine “The Turtle”?

- A. The Continental Army
- B. The Americans
- C. England
- D. American Revolutionary Army

iv. What did the first submersible look like?

- A. It was very big
- B. It resembled a turtle
- C. It had a shell-like shape
- D. It had a circular shape

v. What is the approximate lifetime of present nuclear submarine?

- A. Half a century

- B. A century
- C. One-fourth of a century
- D. One-fifth of a century

2. Raja prunes the plants and trees. "Prune" means ____.

- A. pinch
- B. extend
- C. trim
- D. shave

3. Ajay sat _____ Vinoth and Kumar.

- A. In
- B. over
- C. among
- D. between

4. You _____ make noise in the library.

- A. cannot
- B. must not
- C. need not

D. could not

5. She is capable ____finishing this work.

A. in

B. At

C. of

D. by

6. She fainted_____hearing the bad news.

A. on

B. as

C. at

D. In