Engineering an Empire

Ancient Greece

&

The Age of Alexander
1. What is the “greatest empire the world has ever known” that lies just outside of Greece?

Persia
4. What was the offensive weapon of the Trireme? How fast could it go?

Bronze
Battering Ram

8 knots
(about 10 MPH)
Trireme Battering Ram

According to myth, Agamemnon’s epic struggles were written down by ________ in the Iliad and the Odyssey.

Homer

Not
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7. What was the fate of Agamemnon when he returned home from the Trojan War? His wife, Clytemnestra, murdered him.
10. What was the corbel dome used for?

A tomb
12. What problem did Polycrates set out to solve that plagued many cities in the arid climate?

Water

He built an aqueduct through a mountain
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13. The floors of each tunnel connected with only ______ difference between them.

24 inches (two feet)
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15. What everlasting monument is Pericles “everlasting legacy”?

The Parthenon
In 478BC, Athens, together with city-states of the Aegean formed a mutual defense alliance called the Delian League. The ancient world’s version of _______.

NATO

North Atlantic Treaty Organization
20. Each column on the Parthenon consisted of _____ separate drums.

eleven
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23. The Parthenon’s main function was to provide shelter for the statue of ________.

Athena
24. What did Plato think of the Parthenon?

He thought it was an eye sore, a useless waste of money by Pericles.
Replica in Nashville Tennessee
26. What was the invisible enemy that took the lives of many Athenians?

Plague / Disease
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27. Who lost the Peloponnesian War, Athens or Sparta?

Athens lost
Sparta Won
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28. Great marvels of Greek architecture and engineering would live on through what two men who weren’t even Athenians?

Phillip II of Macedonia and his son Alexander the Great
29. What is Hellenism?

The spreading of Greek (or Greek like) culture.
2. What is a phalanx?

A group of soldiers in rows and columns that carry long spears.
The Macedonian phalanx, here shown in its fighting formation of 256 men, the syntagma.
6. Phillip II did not want to destroy Greece he wanted to ______? 

Be Greece
Greece: The Age of Alexander

7. Who killed Phillip II of Macedonia?

One of his bodyguards.
8. In 334BC Alexander led his Macedonian army against what empire?

Persia.
10. What weapon did Alexander deploy that he knew would end the battle against Tyre? 
siege towers
After Persia, what great empire did Alexander set his sights on?

Egypt
12. How did the Egyptian welcome him?

With open arms. They made him Pharaoh, which meant he was considered a god.
14. Alexander had his cities laid out in a ______ plan.

Grid
The cultural soul lay in what engineering marvel?

The Theatre
17. What were the three basic parts of that the theaters were divided into?

The Theatron (viewing place)
The Orchestra (dancing space)
The Skene (dressing area—“scene”)
19. Ptolemy ordered what engineering project for Alexandria’s harbor?
The lighthouse (Pharos)
20. What happened to the Pharos Lighthouse around 1300AD?

It was destroyed by an earthquake.
22. What Egyptian practice did Ptolemy’s son, Ptolemy II, embrace as Egyptian Pharoah?

He married his sister
24. Hero experiments with ______ technology?

steam
26. Greece was not to be extinguished, it was absorbed by what many believe was the greatest experiment in Hellenism of all…? Rome