

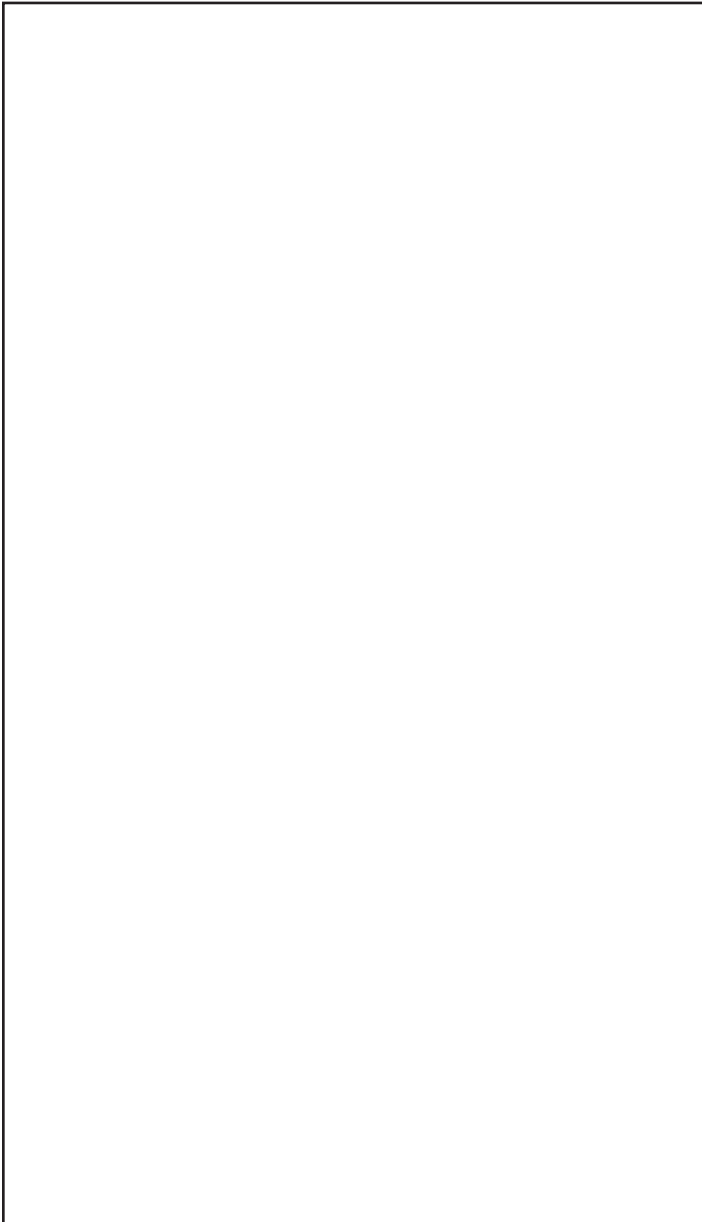
Designing a Structural Wonder

Follow the instructions to complete the activity.

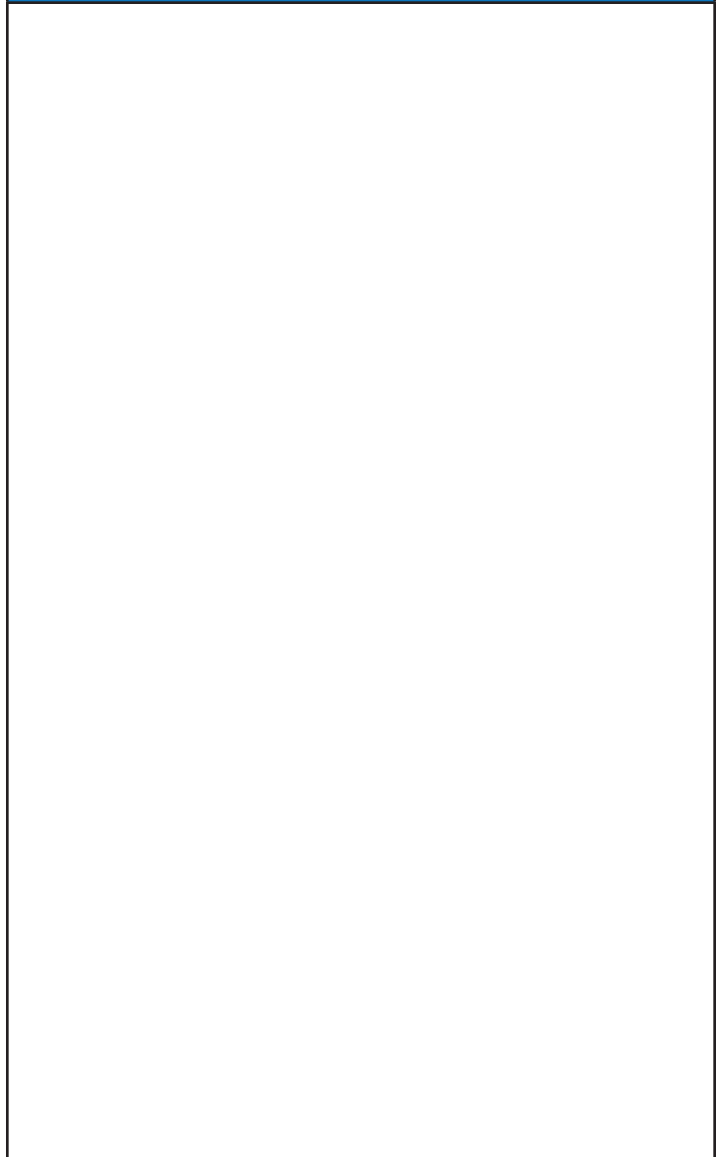
NAME

DATE

Imagine you are designing a brand new structural wonder. Where would you put it? What materials would you use? What features would you include? What would inspire its design? If you were to include a geometric pattern, what would it look like? Write a description of your structural wonder, and draw a picture of it.



DESCRIPTION



Picture Description Match

Follow the instructions to complete the activity.

NAME

DATE

Look at these pictures relating to the Suez Canal. Label each picture correctly.



A

Suez Canal Bridge



B

Bends



C

Al-Ferdan Railway Bridge



D

Ahmed Hamdi Tunnel



E

Entrances



Complete the statements by filling in the correct number.

Approximately this many ships pass through the Suez Canal every year.

120

By 2023, approximately this many ships are expected to travel the Suez Canal each day.

18,000

More than this many billion cubic feet of earth and sand were removed to add new channels to the Suez Canal.

60

Japan funded this percentage of the bridge's construction.

5,530

The Suez Canal is this many miles long.

1,100

When joined, the Al-Ferdan Railway Bridge has a span of this many feet.

97

The Suez Canal cut marine travel distance between London, England, and the Arabian Sea by about this many miles.

9



True or False

Follow the instructions to complete the activity.

NAME

DATE

Using information found in the book, verify whether the following statements are true or false. Check your answers in the book. List the page number where you found the information beside your answer.

Statement 1	Much of the Suez Canal is built from clay and sand.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 2	Spain and Egypt were the two countries responsible for initiating the construction of the Suez Canal.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 3	The Suez Canal was built in the late 1700s.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 4	The people who built the Suez Canal used grade rods to guide the placement of sand and earth.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 5	There are two channels at Port Said and one at Suez.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>



Test Your Knowledge

Follow the instructions to complete the activity.

NAME

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Test your knowledge of the Suez Canal by answering these questions.

1. Suez lies at which end of the canal?

2. Which river delta is to the west of the Suez Canal?

3. What do vessels traveling south usually carry?

4. How many breakwaters does the Port Said entrance have?



1 Which two seas are connected by the Suez Canal?

2 How long is the Suez Canal?

3 Who oversaw the canal's construction?

4 What is the Suez Canal's nickname?

5 How many ships pass through the Suez Canal each year?

6 When did the Suez Canal open for business?

7 How long does it take for a ship to travel through the Suez Canal?

8 What is the name of the Egyptian port city located at the north end of the Suez Canal?



Key Words Match-Up

Write the words from the list below in the box above the correct definition for each word.

NAME

DATE

KEY WORDS

ballast
cargo
delta
displace
elevation

infrastructure
locks
maritime
pharaohs
pistons

port
silt



1.
the height above sea level
2.
an area of low, flat land where a river divides into several smaller rivers before flowing into the sea
3.
town or city located in a harbor where ships pick up or drop off cargo
4.
a heavy substance, such as water or rock, placed in the bottom of a ship to improve stability and control
5.
the basic physical and organizational structures and facilities in a city, country, or other area
6.
cylinders or metal discs that are part of an engine

7.
enclosures in canals that have gates at each end and are used to raise or lower boats as they pass from level to level
8.
of the sea
9.
goods carried in a ship, truck, or airplane
10.
rulers of ancient Egypt
11.
to force something out of its usual position
12.
sand or soil that is carried along by flowing water and then dropped in a channel or harbor



Key Words Match-Up

Write the words from the list below in the box above the correct definition for each word.

NAME

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KEY WORDS

breakwaters	indigenous	peninsula
deadweight tonnage (DWT)	isthmus	pylons
diplomat	Middle East	viceroys
dredged	nationalizes	

13.
the countries of southwestern Asia and northern Africa
14.
the person who represents the king in a country or province
15.
a person from one country who represents that country in another nation
16.
removed unwanted things from the bottom of a body of water
17.
a measure of how much weight a ship can carry
18.
tall, tower-like structures
19.
a narrow strip of land that connects two other pieces of land
20.
a piece of land that is nearly surrounded by water
21.
occurring naturally in a particular region or environment
22.
puts control in the hands of the government
23.
offshore barriers built to protect a harbor from the force of waves

