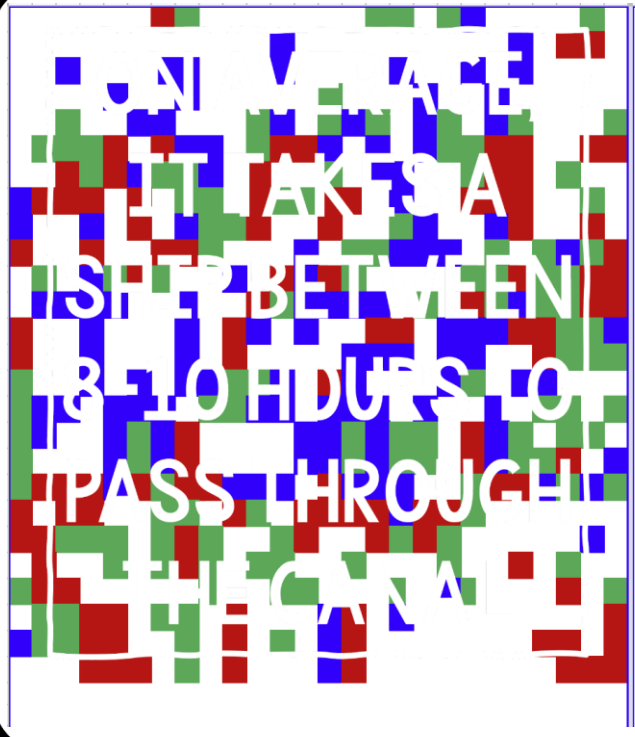
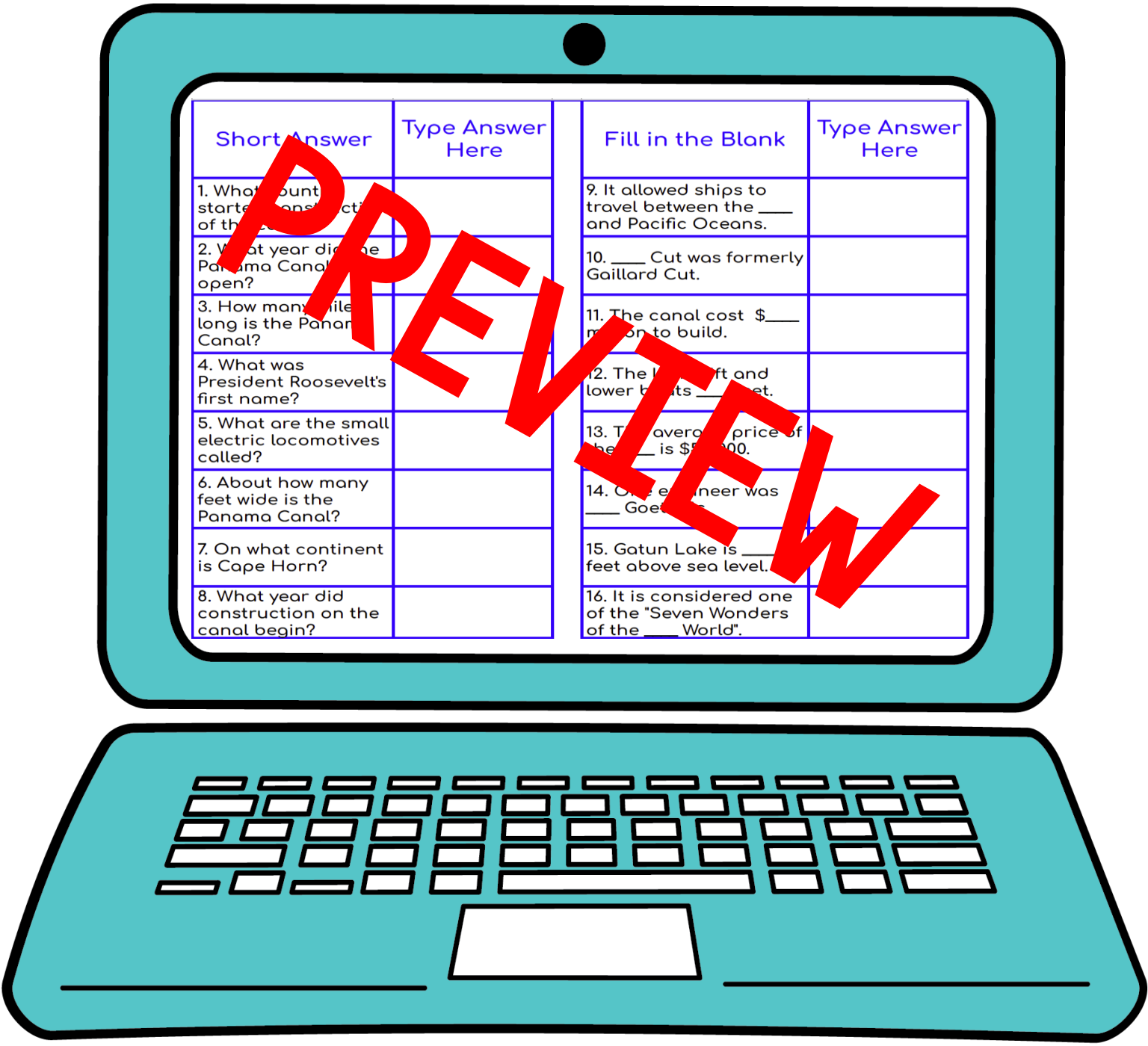


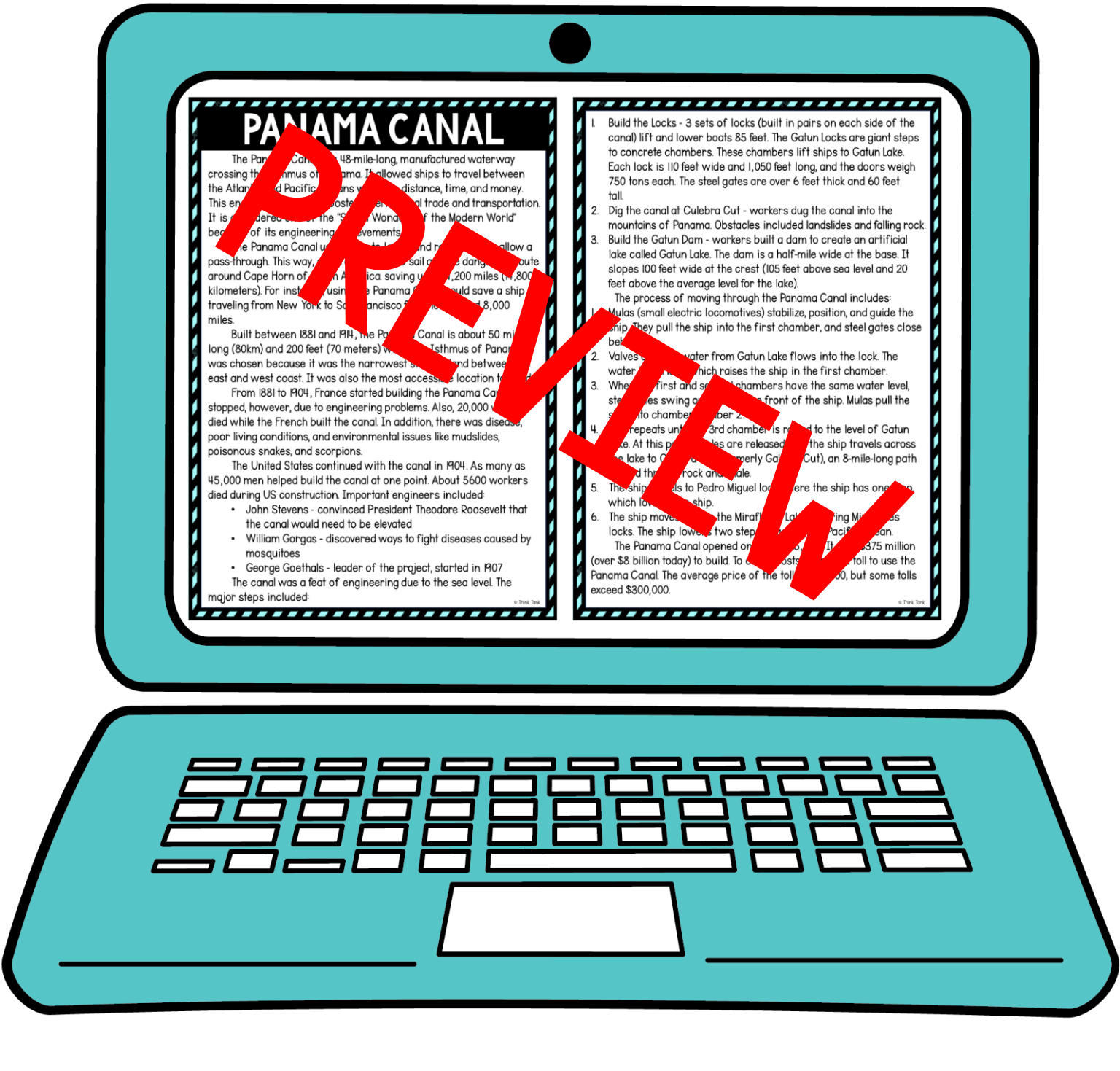
Short Answer	Type Answer Here
1. What country started construction of the canal?	
2. What year did the Panama Canal open?	
3. How many miles long is the Panama Canal?	
4. What was President Roosevelt's first name?	
5. What are the small electric locomotives called?	
6. About how many feet wide is the Panama Canal?	
7. On what continent is Cape Horn?	
8. What year did construction on the canal begin?	



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Fill in the Blank	Type Answer Here
9. It allowed ships to travel between the ____ and Pacific Oceans.	
10. ____ Cut was formerly Gaillard Cut.	
11. The canal cost $____ m on to build.	
12. The l ft and lower b ts ___ et.	
13. T aver price of he ___ is $ 00.	
14. O e e neer was ____ Goe	
15. Gatun Lake is ____ feet above sea level.	
16. It is considered one of the "Seven Wonders of the ____ World".	

PREVIEW


PANAMA CANAL
The Pan Can 48-mile-long, manufactured waterway crossing th mus o ama. It allowed ships to travel between the Atlan d Pacific ans w distance, time, and money. This en oste al trade and transportation. It is dered the "S Wond f the Modern World" bec of its engineering vements.
e Panama Canal u nd n allow a pass-through. This way, sail d ange oute around Cape Horn of A ica. saving u ,200 miles (7,800 kilometers). For inst usin e Panama uld save a ship traveling from New York to Sc ancisco f 8,000 miles.
Built between 1881 and 1914, the Pa Canal is about 50 mi long (80km) and 200 feet (70 meters) w Isthmus of Panar was chosen because it was the narrowest s nd betwee east and west coast. It was also the most access e location t
From 1881 to 1904, France started building the Panama Ca stopped, however, due to engineering problems. Also, 20,000 died while the French built the canal. In addition, there was disease, poor living conditions, and environmental issues like mudslides, poisonous snakes, and scorpions.
The United States continued with the canal in 1904. As many as 45,000 men helped build the canal at one point. About 5600 workers died during US construction. Important engineers included:
• John Stevens - convinced President Theodore Roosevelt that the canal would need to be elevated
• William Gorgas - discovered ways to fight diseases caused by mosquitoes
• George Goethals - leader of the project, started in 1907
The canal was a feat of engineering due to the sea level. The major steps included:
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1. Build the Locks - 3 sets of locks (built in pairs on each side of the canal) lift and lower boats 85 feet. The Gatun Locks are giant steps to concrete chambers. These chambers lift ships to Gatun Lake. Each lock is 110 feet wide and 1,050 feet long, and the doors weigh 750 tons each. The steel gates are over 6 feet thick and 60 feet tall.
2. Dig the canal at Culebra Cut - workers dug the canal into the mountains of Panama. Obstacles included landslides and falling rock.
3. Build the Gatun Dam - workers built a dam to create an artificial lake called Gatun Lake. The dam is a half-mile wide at the base. It slopes 100 feet wide at the crest (105 feet above sea level and 20 feet above the average level for the lake).
The process of moving through the Panama Canal includes:
Mulas (small electric locomotives) stabilize, position, and guide the ship. They pull the ship into the first chamber, and steel gates close be
2. Valves water from Gatun Lake flows into the lock. The water nich raises the ship in the first chamber.
3. Whe first and se chambers have the same water level, ste es swing o front of the ship. Mulas pull the s into chambe ber 2.
4. repeats unt 3rd chamber is r d to the level of Gatun e. At this p les are released the ship travels across e lake to C merly Gai Cut), an 8-mile-long path d th rock and ale.
5. The ship ls to Pedro Miguel loc ere the ship has one p which lo ship.
6. The ship move the Miraf La ing Mi es locks. The ship lowe s two step Pacif an.
The Panama Canal opened on 5. It 375 million (over $8 billion today) to build. To c osts toll to use the Panama Canal. The average price of the toll 00, but some tolls exceed $300,000.
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PREVIEW


PLEASE VIEW
THE VIDEO TO
SEE HOW THIS
PRODUCT WORKS