

Connected Across Distance

Trace how communication and transportation technologies reshape global connections.

10.9a "Technological changes in communication and transportation systems allow for instantaneous interconnections and new networks of exchange between people and places that have lessened the effects of time and distance."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each communication or transportation technology, then circle the nearby words that tell how it connected people or places more quickly.

Networks During an Outbreak

- ① The 2014–2016 West African Ebola outbreak severely affected Guinea, Liberia, and Sierra Leone. Ebola is caused by a virus transmitted through direct contact with infected blood or other bodily fluids, including through contaminated objects. Travel could carry an infected person between communities, but travel itself was not the biological cause of infection. Mobile phones helped health workers report suspected cases, while radio and text messages shared prevention advice. Faster communication connected local observations with national health agencies and international partners.
- ② Transportation moved protective equipment, laboratory materials, supplies, and specialists. Cargo aircraft, trucks, and ships linked distant countries with affected areas. Electronic communication transmitted laboratory information and helped coordinate shipments. Reports from one location guided decisions elsewhere. Supplies still needed physical transport, however. Airport delays, border procedures, and difficult roads could slow delivery even when messages arrived quickly.
- ③ Fast exchange also created choices about access and control. Weak phone or internet coverage could exclude communities. Agencies had to protect patients' private information while sharing reports and allocating limited supplies. Communication supported contact tracing, but local trust and trained workers remained essential. Global networks carried risks, knowledge, people, and goods across borders. Electronic messages could travel almost instantly; people and equipment could not.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 Name two communication technologies and explain how each helped the response.

2 How did transport connect countries, and what could delay delivery?

3 Trace the information network in paragraph 1: who sent what to whom?

4 Identify two remaining challenges from paragraph 3.

3 YOUR TURN _____ Your own words

In four sentences, explain how a phone and an aircraft could connect an earthquake-hit town to outside help. Describe an exchange and one remaining delay.

PART 1 • READ AND MARK

Underline each communication or transportation technology, then circle the nearby words that tell how it connected people or places more quickly. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Name two communication technologies and explain how each helped the response.	Mobile phones helped workers report suspected cases. Radio or text messages shared prevention advice. Accept any two with accurate functions.
2	How did transport connect countries, and what could delay delivery?	Aircraft, trucks and ships carried supplies and specialists between countries. Airport delays, border procedures or difficult roads could slow delivery.
3	Trace the information network in paragraph 1: who sent what to whom?	Health workers reported suspected cases or local observations, which reached national health agencies and international partners.
4	Identify two remaining challenges from paragraph 3.	Examples: weak phone or internet coverage excluded communities; agencies had to protect private information and allocate limited supplies; local trust and trained workers remained essential; people and equipment still required travel time.

PART 3 • YOUR TURN (SAMPLE ANSWER)

After an earthquake, residents could use mobile phones to send reports about damaged roads to emergency officials in another city. Officials could share those reports with rescue teams immediately. Cargo helicopters could carry water and medical supplies to the town when roads are blocked. However, bad weather could delay the helicopters, so help would not arrive instantly.

Accept accurate explanations that link a specific technology to faster exchange or connection between places. For the open response, require both a communication and transportation technology, a concrete exchange, and a realistic remaining limit.