

GCSE

C112U20-1A

**WEDNESDAY, 5 JUNE 2024 -
MORNING**

GEOGRAPHY B – COMPONENT 2

RESOURCE FOLDER

**This folder is for use with questions in
Component 2.**

**This folder need not be handed in with
your answer booklet.**

FIGURE 1 – A MAP OF GLOBAL VULNERABILITY TO DESERTIFICATION

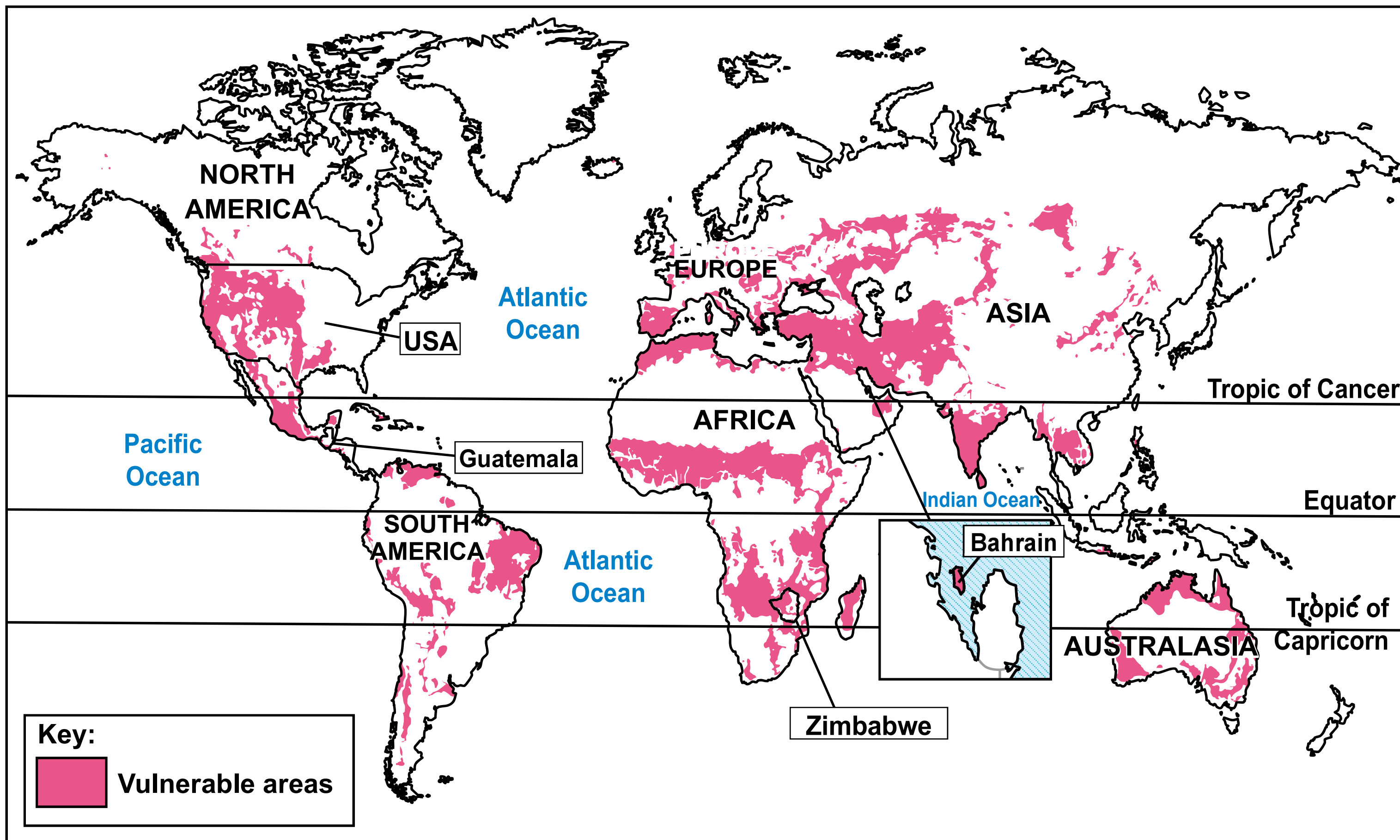
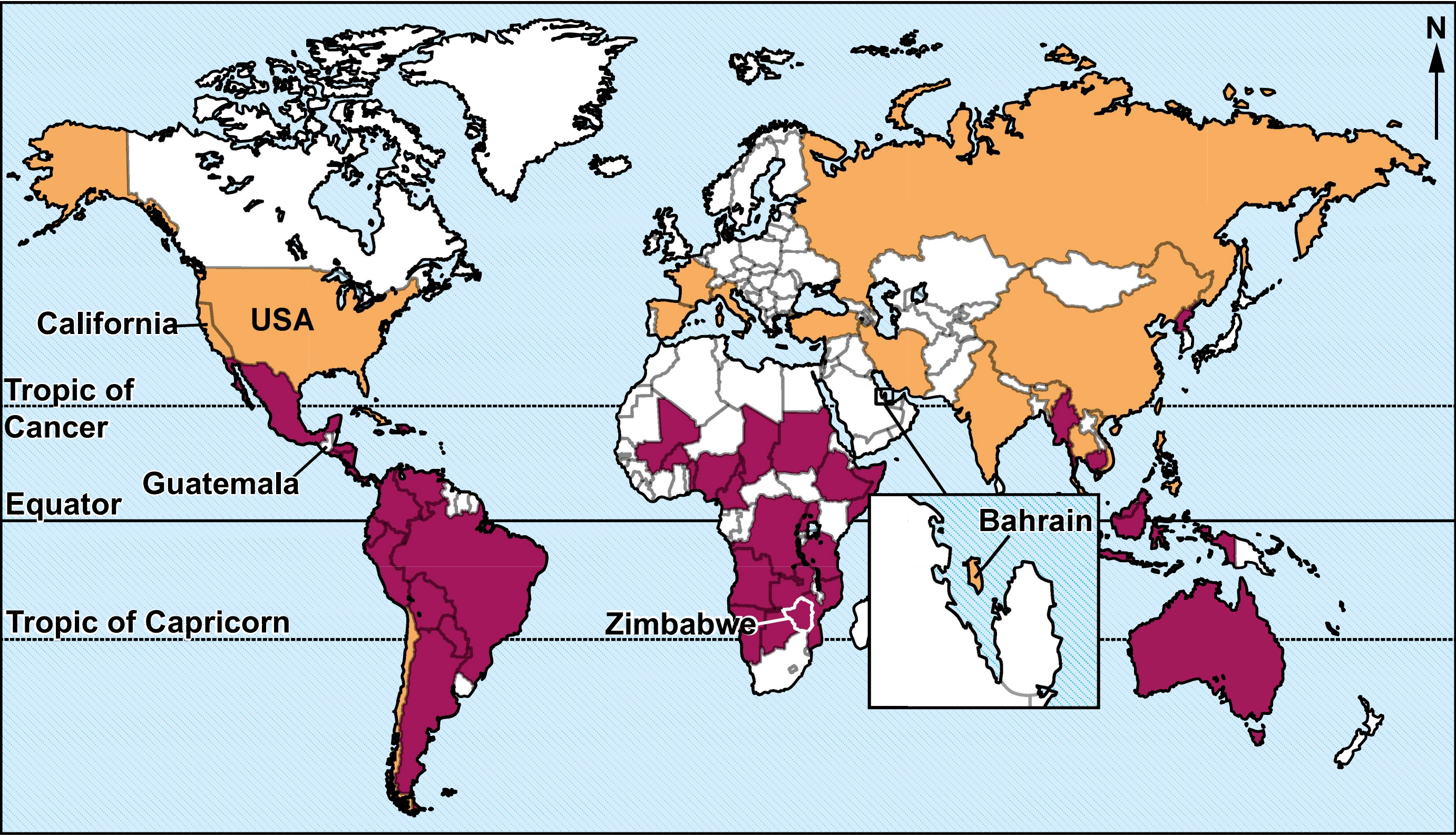


FIGURE 2 - ANNUAL GLOBAL CHANGE IN FOREST COVERAGE SINCE 1990



Key:

 Net gain	 Net loss	 No change
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FIGURE 3 - SELECTED DEVELOPMENT INDICATORS FOR FOUR COUNTRIES

	% of land covered by forest (2021)	% change in forest cover (2001 to 2021)	% of GNI earnt from farming	% girls finishing primary education	GNI per capita (\$)
Guatemala	32.9	-21	9.43	82	9580
USA	33.9	-16	0.85	100	70480
Zimbabwe	45.1	-16	10.4	91	2380
Bahrain	0.9	+200	0.28	97	40 730

GNI = GROSS NATIONAL INCOME

FIGURE 4 - ADVANCED FARMING TECHNOLOGY IN CALIFORNIA, USA

To help them cope with drought, California farmers have been turning to science and advanced technology.

Some tools (such as satellites, drones and soil moisture sensors) which measure the evapotranspiration of an orchard have become more popular.

But growers have run out of quick, easy solutions. It can take a lot of time to develop new methods to grow plants using less water.

Many research projects to engineer drought-tolerant tree crops won't bring benefits for decades because fruit and nut trees need more than 20 years to mature.

Examples of advanced technology



Soil Moisture Sensor



Drone Technology

FIGURE 5 - SAND DAMS IN ZIMBABWE, SOUTHERN AFRICA

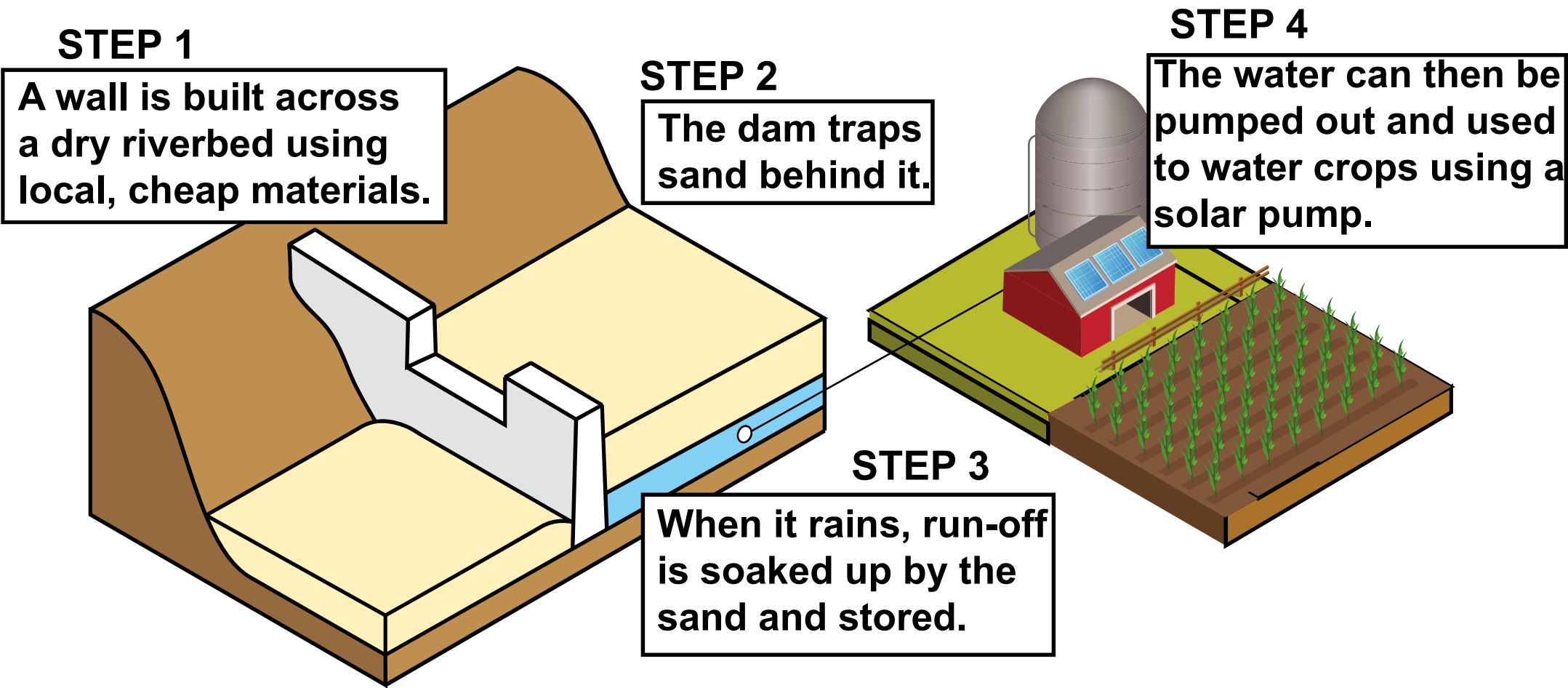


FIGURE 6 - DROUGHT-TOLERANT CROPS IN GUATEMALA, CENTRAL AMERICA



FIGURE 7 - BAHRAIN'S AVERAGE TEMPERATURE 1901 TO 2021

