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Different Lands, Different Lives





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Different Lands, Different Lives

Flat land, many possibilities



THE IDEA

A plain is a broad area of fairly level land. Parts of Punjab have fertile plains where people grow crops such as wheat and maize. Level ground can make farming and transport easier.

Water, soil, weather and people's work also matter. Not everyone who lives on a plain is a farmer.

CHECK YOUR THINKING

What else does a crop need?

A Only an empty flat space

B Suitable water, soil and conditions

B. Land shape is one factor; crops also need suitable growing conditions and care.

A RELATED EXAMPLE

Sharing a place and a meal

A place is more than its landscape. In Amritsar, langar is a community meal offered to people without distinction. Volunteers help prepare, serve and clean up. Communities also include many occupations, languages and traditions. One picture cannot represent every person in a region.

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A camel's hump is not a water tank



THE IDEA

Body features help in different ways. A camel's hump stores fat, which can be used for energy. Its broad feet help spread its weight on sand.

These features do not mean a camel never needs water or care. Describe a feature and the specific job it helps with.

CHECK YOUR THINKING

What does a camel's hump mainly store?

A Fat

B A bag of drinking water

A. The hump is a fat store, not a container filled with drinking water.

A RELATED EXAMPLE

A desert is dry

Low rainfall is the key clue. The Thar is a desert in north-western India. Rainfall is low and water can be difficult to find. Not every desert is hot, and deserts are not empty. Plants, animals and people live there with ways of coping with limited water.

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Homes respond to conditions



THE IDEA

Materials and design both matter. Thick earthen walls can slow heat moving into a house. Roofs, openings and shade also affect comfort.

People choose homes using climate, available materials, cost and tradition. Modern and traditional homes exist together.

CHECK YOUR THINKING

Is climate the only reason for a house design?

A Yes; every home must look identical

B No; resources, cost and preferences matter too

B. House design responds to several needs and constraints, not climate alone.

A RELATED EXAMPLE

Save rain when it arrives

Stored rain can help through dry periods. Traditional tankas collect and store rainwater in parts of Rajasthan. A cover helps keep dirt and animals out. Collection, cleaning and safe treatment still matter. A covered tank does not prove that its water is safe to drink.

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The sea contains many kinds of life



THE IDEA

Not everything underwater is a fish. Dolphins are mammals and breathe air. Corals are animals, often living in colonies. Seaweeds are algae.

A shared habitat does not make organisms the same kind. We need body features and other evidence to classify them.

CHECK YOUR THINKING

Which statement is accurate?

A Every sea animal breathes like a fish

B Dolphins breathe air

B. Dolphins have lungs and must breathe air at the surface.

A RELATED EXAMPLE

Life beside the sea

A coast is where land meets the sea. Near Puri in Odisha, fishing and tourism are among the ways people earn a living. Coconut palms grow in many warm coastal areas. Food, dance and celebrations also shape local life. Dalma, Odissi and the Rath Yatra are examples, not a description of every person's choices.

Different Lands, Different Lives

A coat helps keep warmth in



THE IDEA

A yak's thick coat reduces heat loss. Yaks are suited to cold highland conditions. Their long outer hair and insulating undercoat help them retain body heat.

A coat does not create unlimited warmth. Shelter, food and other body features also matter.

CHECK YOUR THINKING

What does insulation mainly do?

A Make cold air disappear

B Slow the loss of body heat

B. Insulating layers reduce heat transfer, helping an animal retain warmth.

A RELATED EXAMPLE

A mountain is not one climate

Height and location affect conditions. Sikkim has steep slopes and valleys in the Himalayas. Higher areas can be much colder than lower valleys. A snowy peak does not mean every nearby home is always in snow. Read the whole landscape, not one dramatic detail.

ONE LAST CHALLENGE

Which feature would you suggest for each house?

House A needs shade in strong sun. House B faces frequent heavy rain.



THE REVEAL

Shade for A. A sloping roof and drainage for B.

An overhang can shade a wall. A well-drained roof directs rain away.

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