Word Families

noun	adaptation	Plants in the Taklimakan Desert have adaptations that allow them to live in the dry, salty conditions.
verb	adapt	One way that plants adapt to the dry desert is by developing deep root systems.
adjective	adaptable	Most plant species are not adaptable to a desert environment.

noun	diversity	There is a great diversity of plant life on the fringe of the Taklimakan Desert.
noun	diversification	Change in climate can result in species diversification.
verb	diversify	As climate changes, plant species in an area may diversify if conditions improve.
adjective	diverse	The diverse ways that plants adapt to desert conditions makes a fascinating study.

noun	extreme	Temperatures in the Taklimakan Desert reach an extreme during hot summer days.
adjective	extreme	Many plants cannot endure the extreme heat of the desert.
adverb	extremely	The weather in a desert is usually extremely dry.

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noun	resilience	The resilience of certain plants allows them to thrive in the desert.
adjective	resilient	Desert plants are resilient to heat and dryness.
adverb	resiliently	Desert plants grow resiliently in the heat.

noun	stress	A long period of dryness causes a lot of stress to plants.
noun	stressor	The main stressor in a desert is lack of rain.
verb	stress	Heat and drought both stress plants.
adverb	stressful	Certain plants thrive in the desert despite the stressful conditions.

noun	violence	The violence of sandstorms keeps many plants from thriving in the desert.
adjective	violent	Violent winds tear up many plants or cover them with sand.
adverb	violently	The winds blow violently during a sandstorm.

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Word Family Practice

Choose the correct word family member from the list below to complete each blank.

Desert plants have a variety of **1**..... that allow them to endure the desert environment. Because a desert is **2**..... dry, plants need to be able to take in as much water as possible when it rains and to store the water for a long time. Special root systems and types of leaves enable them to do this. Another source of **3**..... in a desert is the high temperature, so desert plants need to have **4**..... . **5**..... storms can occur in a desert, and plants with strong roots will be able to endure the storms. Considering the difficult conditions in a desert, the **6**..... of plants that can be found there is truly amazing.

1.	adaptations	adapts	adapted
2.	extreme	extremes	extremely
3.	stressor	stress	stressful
4.	resilience	resilient	resiliently
5.	Violence	Violent	Violently
6.	diversity	diversify	diverse

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