**Hot Deserts**

Read the text on camel and cacti adaptations

Annotate your pictures of the camel and cactus to show how they have adapted to the desert environment





**Making plants and animals – Hot deserts**

TASK:

You have to create both **a plant and an animal** using the characteristics on the tables provided. Both of these need to fit the climate and environment of a hot desert.

1. Your plant and animal can have 6 characteristics each
2. List the characteristics that would be useful
3. Pick six from the lists below
4. Creatively draw both your animal and plant to display its adaptations to the climate of hot deserts.
5. Name your plant or animal
6. Around your drawing you need to JUSTIFY the characteristics, linking to the original data sheet. This should be written in full and link to the actual climate.

**PLANT CHARACTERISTICS**

|  |  |  |
| --- | --- | --- |
| **Drought resistant** | **Loves water** | **Stores water** |
| **Wide root system** | **Deep root system** | **Lives on other plants** |
| **Floats** | **Survives under water** | **Dies back seasonally** |
| **Waxy, pointed leaves** | **Deciduous** | **Evergreen** |
| **Broadleaves** | **Needle leaves** | **Stunted** |
| **Thick bark** | **Rough bark** | **Wind blown seeds** |
| **Heavy-weighted seeds** | **Fragments take root** | **Seeds with Velcro like hooks** |
| **Runners put down roots** | **Climber** | **Like strong sun** |
| **Likes shade** | **Tall** | **Salt tolerant** |
| **Bears fruit (nuts and berries)** | **Flowering** | **Pollinating** |
| **Eats insects** | **Branching** | **Sticks to rocks** |
| **Lifecycle within days** | **Colourful** | **Drab** |
| **Pleasant smell** | **Awful smell** | **Changes colour** |
| **Buttress roots (large roots to support huge trees)** | **Flexible branches** | **Sticky surfaces** |
| **MAKE UP YOUR OWN CHARACTERISTICS AS WELL!** |

**ANIMAL CHARACTERISTICS**

|  |  |  |
| --- | --- | --- |
| **fast runner** | **Can get fat** | **Powerful digging claws** |
| **Migratory** | **Thick skin** | **Spotted fur** |
| **Can stand on 2 legs** | **Large ears** | **Long neck** |
| **Striped fur** | **Sharp claws** | **Grinding teeth** |
| **Sharp incisor teeth** | **Swims** | **Thick fur** |
| **Climbs trees** | **Thick pads on paws** | **Nocturnal** |
| **Good eyesight** | **Webbed feet** | **Can hibernate** |
| **Can close nostrils** | **Agile** | **Slippery skinned** |
| **Good sense of smell** | **Gives off bad smell** | **Stores water in body** |
| **Strong skeleton** | **Loud voice** | **Gregarious (lives in groups)** |
| **Stamina** | **Brown fur** | **Prehensile (gripping) tail** |
| **Large body** | **Very thin body** | **Whiskers** |
| **Can hold breath for 1/2 an hour** | **sociable** | **Fierce growl** |
| **MAKE UP YOUR OWN CHARACTERISTICS AS WELL!** |