

Nature Researcher

Sample functions to brainstorm from:

- protect from water
- protect from wind
- protect from dirt
- protect from impact
- protect from predators
- supportive structure
- gather resources
- store resources
- communicate
- maintain community

| I notice | I wonder... | It reminds me of... | It inspires me to... |
|---|--|---|--|
| a trait of an organism | what can its function be | something human can also use/need | use it as a biological model to design... (draw & explain your idea) |
| <p>they grow in layers</p> <p>the inside it is spiky</p> | <p>protect you from harsh winds and is waterproof</p> <p>help heal burns</p> | <p>wind shelter blinds</p> <p>Whales fin</p> | <p>create a shelter wall with layers that can open for the sun to shine inside</p> <p>create lotion that helps burns</p> |

my
also
over

inside

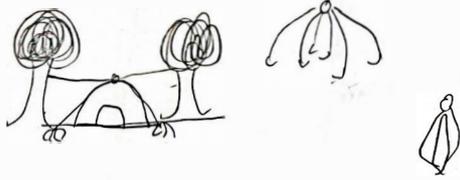
long
dry
grass

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| long, dry, grass that prevents wind | be stacked or used as to catch wind | to catch wind behind the plant even when dead | create a hedge made of long, silicone straws |
| | | | |

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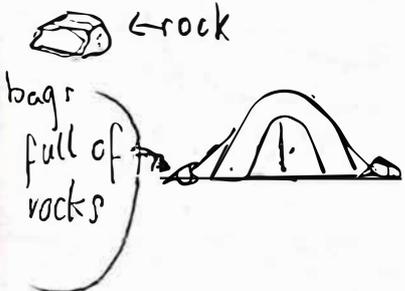


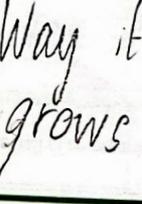
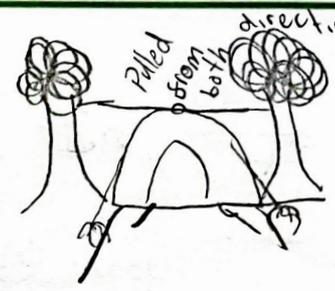
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| Roots | keeping trees and plants still in the ground | Tent resistance hook |  <p>claws to keep tents in the ground</p>  <p>contracts for space efficiency</p>  <p>claws/roots in ground</p> |

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| Rocks are heavy | Holding down tents so they don't fly away → | |  |

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| <p>Flower ↓ Way it grows</p>  | <p>growing upside down allows it to use less energy</p> | <p>Keeping the tent firmer and from the ground.</p> |  |
| <p>the colour of a leaf</p>  | <p>camouflage</p> | <p>hiding from animals</p> |  |

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| that leaves protect the gate against the wind | It protects cars | blinds | to protect cars tents |

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| that aloe looks like a whales fin | If it has the same function as whales | wind turbines | |
| that its fluffy | If it help have side kids | teddy bears | make water proof teddy bears because it is fluffy & water proof |