**Solving Human Challenges Worksheet**

Consider the following pictures. The first column shows a feature of an organism, the second column shows a human challenge it has solved. Your task is to describe how this feature solved the human challenge, and why? The first example is completed for you.

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| **Organism** | **Human challenge it solved/invention created** | **How/why it solved the human challenge** |
| ../../Screen%20Shot%202017-11-12%20at%2012.45.55%20am.pngBurrs  Image source: <http://www.publicdomainpictures.net/pictures/70000/velka/burr-whorl-velcro-inspiration.jpg> | ../../Screen%20Shot%202017-11-12%20at%2012.51.46%20am.pngVelcro  Image source: <https://commons.wikimedia.org/wiki/File:Velcro_Hooks.jpg> | *Burrs allowed two objects to be stuck together and to create a ‘zipperless fastener.’ (Greenwood et al. 2017, p. 156). This meant that items could be fixed or fastened together, and also be stuck together multiple times over (reusability).* |
| ../../Screen%20Shot%202017-11-12%20at%2012.53.44%20am.pngLotus Leaf  Image source: <http://www.publicdomainpictures.net/pictures/70000/velka/burr-whorl-velcro-inspiration.jpg> | ../../Screen%20Shot%202017-11-12%20at%2012.55.41%20am.pngPainting Outdoors  Image source: <https://www.flickr.com/photos/49364825@N02/4729909285> |  |
| Solving%20Human%20Challenges/Screen%20Shot%202017-10-31%20at%202.39.13%20pm.pngMosquito Proboscis/Mouthpart  Image source: <https://commons.wikimedia.org/wiki/File:Mosquito_proboscis.JPG>  Image source: <https://en.wikipedia.org/wiki/File:Mosquito_Tasmania_crop.jpg>  Solving%20Human%20Challenges/Screen%20Shot%202017-10-31%20at%202.39.13%20pm.png | **../../Screen%20Shot%202017-11-12%20at%201.07.29%20am.png**‘Pain Free’ Needle Scanning Electron Micrograph  Image source:  <https://imgur.com/gallery/JlUun> |  |

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| ../../../Documents/Screen%20Shot%202017-10-31%20at%203.25.07%Sharkskin Scales (Denticles) Scanning Electron Micrograph  Image source:  <https://commons.wikimedia.org/wiki/File:Denticules_cutan%C3%A9s_du_requin_citron_Negaprion_brevirostris_vus_au_microscope_%C3%A9lectronique_%C3%A0_balayage.jpg> | ../../Screen%20Shot%202017-11-12%20at%2012.34.20%20am.pngSharkskin Swimsuit Was Worn By Michael Phelps (It is Now Banned)  Image Source:  <https://commons.wikimedia.org/wiki/File:Denticules_cutan%C3%A9s_du_requin_citron_Negaprion_brevirostris_vus_au_microscope_%C3%A9lectronique_%C3%A0_balayage.jpg> |  |
| Whales- Ridges on Their Fins  Image source:  <https://en.wikipedia.org/wiki/Baleen_whale> | ../../Screen%20Shot%202017-10-31%20at%203.36.45%20pm.pngWind Turbi Blade  Image source:  <https://www.pinterest.com.au/pin/21532904438005478> |  |
| ../../Screen%20Shot%202017-11-12%20at%201.21.32%20am.pngKingfisher about to dive into water (*Alcedo atthis*)  Image source:  <https://en.wikipedia.org/wiki/Template:POTD/2015-12-17> | ../../Screen%20Shot%202017-11-12%20at%201.23.25%20am.pngShinkansen Bullet Train (Japan) Travels at 320km/h  Image source:  <http://maxpixel.freegreatpicture.com/Bullet-Train-Tokaido-And-Sanyo-Shinkansen-Hiroshima-1918480> |  |