**Adaptations Needed To Help Birds Fly**

Take a look at the websites below to read about adaptations birds have that enable them to fly. Use the websites below to help you complete the chart below.

**Anatomy:** <http://www.all-birds.com/Anatomy.htm>

**Wings:** http://www.rspb.org.uk/youth/learn/adaptation/flight/wings.aspx

**Skeleton:** <http://fsc.fernbank.edu/Birding/skeleton.htm>

**Flapping of wings:** <http://www.ornithopter.org/birdflight/flap.shtml>

**Feathers:** <http://www.earthlife.net/birds/feathers.html>

|  |  |
| --- | --- |
| **Skeleton** |  |
| **Body Shape** |  |
| **Wing Structure** |  |
| **Tail**  |  |
| **Propulsion** |  |
| **Feathers** |  |
| **Other** |  |

Using this information, why do you think penguins can’t fly?

**Comparing Planes and Birds Flights Capabilities**

Using the link below, see if you can find which birds and planes are similar. Record the bird and plane that match, as well as what makes them similar

<http://sciencelearn.org.nz/Contexts/Flight/Sci-Media/Animations-and-Interactives/Wings-for-flight>

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| --- | --- | --- |
| **Bird** | **Plane** | **Similarities** |
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