Why are the Humpbacks Hanging Out?

Name(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Per.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bell Ringer: What do you think Humpback whales eat in Antarctica?

|  |
| --- |
| Hypothesis on why Humpbacks are hanging out longer in Antarctica: |



*Remember: This is one graph overlaid on another and the black lines represent the diving whales.*

**Use the Krill Data graph and Whale Diving overlay from the Data Story “Finding Food?” (slide 5-Let’s Compare) to fill in the information below.** <http://polar-ice.org/focus-areas/polar-data-stories/finding-food/>

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Time | Krill weight | Krill depth(m) | Length of string for krill (cm) | Whale dive depth (m) | Length of string for Humpback (cm) |
| Data point 1 |  |  |  |  |  |  |
| Data point 2 |  |  |  |  |  |  |
| Data point 3 |  |  |  |  |  |  |
| Data point 4 |  |  |  |  |  |  |
| Data point 5 |  |  |  |  |  |  |
| Data point 6 |  |  |  |  |  |  |

Do your scale conversions below:

**Consider this: If krill is shaping whales’ daily behavior, could krill be shaping their seasonal behavior. Could the whales be hanging out longer around the Western Antarctic Peninsula because of the krill?**