

## Questions posed by cruisers during presentations

	<b>Presentation: Tracking sea ice changes in the summer of 2014</b>
Comprehension	Q. What causes polynya
Knowledge	Q. There is a weekly summary, who measures
Comprehension	Q. What is the grey area?
Comprehension	Q. Why is that area open?
Comprehension	Q. Where are the Fulmars wintering?
Comprehension	Q. Would there be polar bears on the ice?
Comprehension	Q. Why are there some areas up North that are open and areas down south have more ice?
Application	Q. Why is there more ice in 2013/2014 then before?
Application	Q. El Nino pushing the jet stream, could that have an effect?
Comprehension	Q. If the ship had gone on the 28 <sup>th</sup> , would it have gotten through?
	<b>Presentation: Arctic Geology, Geomorphology, and Glaciology</b>
Knowledge	Q. Can you tell us about the Canadian Shield?
Comprehension	Q. The concern is rising sea level on the coast. How does that relate to the depressed area?
	* More questions were asked one on one, the researcher was unable to hear questions.
	<b>Presentation: Life in an Arctic – living with polar bears</b>
Comprehension	Q. Why does the male polar bear stalk the female polar bear?
Comprehension	Q. How does the fox avoid becoming food for the polar bear, since they follow behind ?
Comprehension	Q. Do the male polar bears recognize its own cubs?
Comprehension	Q. What is the male polar bear doing all winter?
Comprehension	Q. Will a male kill the cubs to mate?
Comprehension	Q. Do brown bears and polar bears mate?
Comprehension	Q. Does the male mate only once or will he find multiple partners?
Knowledge	Q. How does a polar bear make its kill?
Knowledge	Q. As a defense against polar bears, if you didn't have a gun, how do you protect yourself?
Comprehension	Q. What was the condition of the polar bear we saw?
Comprehension	Q. How Does the female wean her cubs?
Comprehension	Q. Do you watch the satellite images or is there a system for that?
Comprehension	Q. Are the number of males to females about equal?
Comprehension	Q. So when she has two cubs is it often on of each sex?
Comprehension	Q. Do they have certain noises?
Comprehension	Q. What do humans do with the kill?

Comprehension	Q. Can you export the fur to the states?
Comprehension	Q. Do communities need tags to kill polar bears?
Comprehension	Q. Can a community sell their tags?
Comprehension	Q. How much does it cost for a sport hunter to buy a tag from a community?
Comprehension	Q. How does the management of tagging work ?
	<b>Presentation: Arctic Animals and their remarkable adaptations</b>
Comprehension	Q. What initiates hibernation or torpor ?
Comprehension	Q. Have they tried to farm muskox?
Comprehension	Q. Are they used for transportation?
Comprehension	Q. Why do the arctic fox prepare its dead in rows and separate the heads?
	<b>Presentation: A whole world at your feet</b>
Comprehension	Q. Do the Inuit use the willow as a pain killer?
Knowledge	Q. Does the ACA still exist?
Comprehension	Q. Were there sages & grass – where are they today?
Comprehension	Q. Did the Inuit use flowers and plants as dyes? Is this traditional?
Knowledge	Q. How do plants survive up here?
	<b>Presentation: Whales and whaling</b>
Comprehension	Q. Can you tell me more about the whale communications
Comprehension	Q. Do we actually know how many numbers there are today?
	<b>Presentation: Arctic Bird Identification</b>
Comprehension	Q. Describe various birds they saw – asked for clarification on
	<b>Questions asked during recap relating to the environment</b>
Comprehension	Q. The bear must be cold on the ice?
Comprehension	Q. How do you identify a male/female?
Comprehension	Q. What is the purpose of tasting the air?
Comprehension	Q. Do they use their tongue for heat loss?
Comprehension	Q. Are you saying the bears can see colour?
Comprehension	Q. How often do polar bears attack people?
Comprehension	Q. What were the people doing?
Comprehension	Q. Can polar bears retract their paws?
Comprehension	Q. Why do the bears congregate in Churchill ?
	<b>Film: People of a Feather</b>

Comprehension	Q. Can you describe the sea ice habitats more ?
Comprehension	Q. Can you share any impacts you've seen of hydroelectricity on marine environments?
Comprehension	Q. What is being done now to provide a better way for energy storage and distribution?
Comprehension	Q. What tools and techniques have you used for sea ice research ?
Comprehension	Q. What communities are involved in the monitoring programs?
Comprehension	Q. Can you provide more examples of science and Inuit knowledge integrating?
	<b>Presentation: Climate change and The Arctic</b>
Comprehension	Q. How is the climate changing the Arctic? How much are the glaciers, sea ice and permafrost really melting away each year?
Comprehension	Q. How much is sea levels expected to rise
Application	Q. Are these changes natural?
Application	Q. With the projected rise by of annual temperatures by 3-7°C, is that temperature even more so in the Arctic?
Application	Q. How much is the Arctic land covered by snow expected to decrease?
Application	Q. How will Arctic warming affect the rest of the planet?
Application	Q. How will climate change impact the vegetation? More bugs? Wildfires?
Application	Q. Could it change so much that farming could start ?
Comprehension	Q. What about the polar bears? Will they be okay ?
Application	Q How would this impact the Arctic marine food web?
Application	Q. Would there be a highly likelihood of invasive species making there way to the Arctic/ have a lasting impact?
Comprehension	Q. I've heard there are microorganisms that have been frozen for millennia, can you tell us more about that?
Application	Q. Have you seen an impact already? – what about the places we have visited?