







## Self Conducted Gallery Activities


### Living Land, Living Sea

- Arrows (→), plus a written instruction indicate when to move on to the next location. If working in groups, please spread out over the assigned area.
- An answer may be found by:
  - Reading the text panel 
  - By observing the exhibit 
  - By listening to audio 
  - By creative thinking 
- It should take approximately 45 minutes to complete the activities.
- Please bring your own clipboards to write on.
- We hope you enjoy your visit to the Royal BC Museum!


**Natural History Gallery 2<sup>nd</sup> floor**

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→ **Greenhouse Display**

1. What is a fossil? 


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2. How many different kinds of fossils do you recognize and what are they? 

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→ **Icehouse Display**

3. Can you find this shape in the display case? 

To which animal does it belong? 

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→ **Timeline Display**



4. What is a Hoplophoneus?  \_\_\_\_\_

5. In which time period did it live?  +  \_\_\_\_\_

→ **Beyond the Ice Display**

6. What animals in the display survive today? 

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7. Can you give the name of this animal?  + 


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→ **Mammoth**

8. Why does the mammoth have long hair? 

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9. What present day mammal is larger than the mammoth? 

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→ **Climate Rules! Exhibit**

10. Figure out the meanings of the symbols and you can do the word search (at home or at school)! 🔑 + 📖

- ⌘ = \_\_\_\_\_
- || = \_\_\_\_\_
- ✳ = \_\_\_\_\_
- ↔ = \_\_\_\_\_
- ↙ = \_\_\_\_\_
- ⤴ = \_\_\_\_\_
- ) ( = \_\_\_\_\_

L	X	G	H	U	U	T	R	D	O
R	I	L	P	Q	J	M	H	R	F
F	C	G	O	F	G	E	E	B	X
J	E	V	H	M	R	T	A	L	S
C	C	D	N	T	Y	N	V	O	T
S	R	Q	M	K	N	I	Y	W	H
B	Y	R	J	H	L	I	S	I	K
Z	S	L	S	U	Z	E	N	N	W
T	T	F	A	B	S	M	O	G	U
W	A	J	D	Y	B	U	W	S	G
V	L	L	R	V	A	R	G	A	E
V	S	K	E	U	C	W	G	N	O
T	T	A	T	O	R	N	A	D	O

→ **Beetle Mania Display Case**

11. Why is it possible for the mountain pine beetle to spread out? 📖




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→ **Nature on the Move Displays**

12. Name three species that might gain habitat in BC. 🔑 + 📖 \_\_\_\_\_

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13. Name three species that might lose habitat in BC. 🔑 + 📖 \_\_\_\_\_

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→ Text panels around the corner to the right

14. How are new seeds distributed? 🔍 + 📖

\_\_\_\_\_

15. "One in three million", what happens with the others? 📖 \_\_\_\_\_

\_\_\_\_\_

→ Forest

16. Name one carnivore (meat eater) in the forest. 🔍

\_\_\_\_\_

17. Give an example of an herbivore (plant eater). 🔍

\_\_\_\_\_

18. Why does the grizzly bear have long claws? 🌟



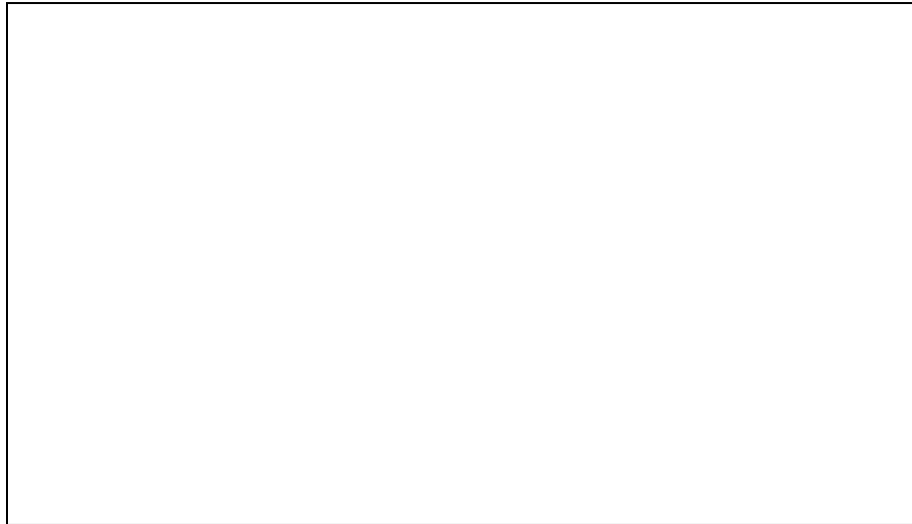
\_\_\_\_\_  
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19. Why do few grasses grow on the forest floor? 🌟

\_\_\_\_\_


→ Seascape

20. Take a look at one of the animals in the tide pool. Can you draw the animal?




21. Name 2 birds that nest on cliffs.  + 


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22. Why do they nest on cliffs? 

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23. Why does a sea urchin have spines? 

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24. What does a sea lion use for insulation? 

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→ Probers, Pickers and Sifters

25. Why does a Northern Shoveler have a wide beak? 

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→ Flight Paths

26. Which bird migrates north in winter?  \_\_\_\_\_

27. Why do mud flats attract migrating birds?  \_\_\_\_\_

→ Ocean Station

28. Name two of the crabs in the glass case just inside the door. 🔍 + 📖

\_\_\_\_\_

29. What kind of shark is hanging from the wall? 🔍 + 📖 \_\_\_\_\_

30. What is the striped fish in the rock wall display? 🔍 + 📖



\_\_\_\_\_

31. What kind of teeth are displayed on the counter? 🔍 + 📖

\_\_\_\_\_

32. Which tooth is the biggest? 🔍 + 📖 \_\_\_\_\_

33. What is the large shell hanging on the wall? 🔍 + 📖 \_\_\_\_\_

## Answers - Natural History Gallery

1. Any remains, trace, or imprint of a plant or animal that has been preserved in the Earth's crust since some past geologic or prehistoric time.
2. Plants (Cycad/Palm)/Crab/Shells (Ammonite/Clam)
3. Mastodon
4. Sabre-toothed cat
5. Oligocene
6. Caribou/Muskox/Man
7. Bison
8. Warmth
9. Whale
- 10.

☞ = Blowing sand

= = Fog

\* = Heavy snow

↔ = Ice crystals

⚡ = Lightning

⤴ = Smoke, smog

) ( = Tornado

L	X	G	H	U	U	T	R	D	O
R	I	L	P	Q	J	M	H	R	F
F	C	G	O	F	G	E	E	B	X
J	E	V	H	M	R	T	A	L	S
C	D	N	T	Y	N	V	O	T	
S	R	Q	M	K	N	I	Y	W	H
B	Y	R	J	H	L	I	S	I	K
Z	S	L	S	U	Z	E	N	N	W
T	T	F	A	B	S	M	O	G	U
W	A	J	D	Y	B	U	W	S	G
V	L	L	R	V	A	R	G	A	E
V	S	K	E	U	C	W	G	N	O
T	T	A	T	O	R	N	A	D	O

11. Rising temperature
12. Gopher Snake  
American Badger  
Burrowing Owl  
Black Widow  
Prairie Falcon  
White-throated Swift  
Behr's Hairstreak  
Black-billed Magpie  
Albacore  
Humboldt Squid  
Ocean Sunfish

**Answers continued - Natural History Gallery**

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13. Twelve-spotted Skimmer
  - Rose Star
  - Great Gray Owl
  - Pacific Salmon
  - Northern Abalone
  - Northern Hawk Owl
  - Vancouver Island Marmot
14. Wind (mostly)/birds
15. Eaten/diseased/land in unsuitable area
16. Cougar
17. Deer/Elk
18. Digging/defense/catching prey
19. Lack of sunlight
20. Any drawing is good
21. Cormorant
  - Puffin
  - Common Murre
  - Pigeon Guillemot
  - Glaucous-winged Gull
22. Safety/Proximity of food
23. Protection
24. Blubber
25. More efficient digging (used as a shovel to scoop up mud)
26. Brandt's Cormorant
27. Abundant food
28. Red Box Crab/ Tanner Crab/ Alaskan King Crab
29. Blue Shark
30. Tiger Rockfish
31. Sperm Whale/ Killer Whale
32. Sperm Whale Tooth
33. Leatherback Turtle