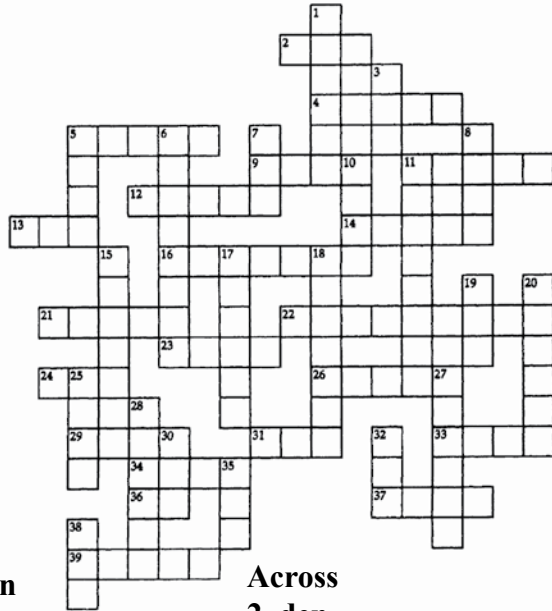


Animal Cross Word



Down

1. weasel
3. bat
5. mole
6. squirrel
7. owl
8. mule
10. fawn
11. chipmunk
15. skunk
17. cougar
18. opossum
19. fir
20. beaver
25. legs
27. eiders
28. rabbit
30. bee
32. ash
35. rat
38. fox

Across

2. den
4. snail
5. moose
9. wolf
11. chuck
12. quail
13. doe
14. white
16. raccoon
21. mouse
22. porcupine
23. logs
24. elk
26. snake
29. grab
31. dam
33. deer
34. bear
36. be
37. hare
39. otter



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Life Sciences Gallery 9-12

ANSWER GUIDE



That's amazing!

Mosquitoes prefer children to adults and blonds to brunettes.

On a hot day a large tree can pump as much as 900 litres (200 gallons) of water to its leaves. That's enough to fill a bathtub 4 times!

Up to 3/4 of the air that birds breathe is just for cooling down since they are unable to sweat.



McDonalds eliminated one million pounds of waste per year in the 1980s by making their drinking straws 20% lighter.

The Golden Eagle diorama is made of rubber, feathers, and rabbit fur.

The stocks in the stock ticker, at the end of the "Time Tunnel" under the stop light, are not real stocks but the initials and birthdates of the Museum's employees.

Carnivorous animals will not eat another animal that has been hit by a lightning strike.

There are 6,742 Monarch butterflies in the butterfly migration diorama.



Ministry of Tourism, Parks, Culture and Sport

Royal Saskatchewan Museum

1) What ecoregion(s) does the North Saskatchewan River flow through?

Aspen Parkland, Mid-Boreal Lowland, Boreal Transition

2) Read the *Winter Survival "Tools"* ILC. How do migrant birds prepare for their winter journey south? **Pump up their flight muscles, moult, and stuff themselves with food for extra fuel.**

3) What does the Masked Shrew consume if it can not find any food during the winter? **Its own tissue, including its brain and skeleton.**

4) Why does the Northern Hawk Owl have "Hawk" in its name? **It likes to hunt during the day like a hawk.**

5) After reading about Consumers, in the *Obtaining Energy* ILC, name 4 second-level consumers from the *Mixed Woods* diorama.

American Marten, Pileated Woodpecker, Wood Frog, Fisher, Red Bat, Barred Owl.

6) What is a keystone species? **A species which is responsible for the existence of an ecosystem; it can change its environment to meet its needs.**

7) In the *Aspen Parkland*, what is an advantage to having the groundwater close to the surface? **Salt-free soil.**

8) What is obligate siblicide? Name a few animals that practise it. **The first born kills its sibling so it will not have to compete for food. Pelicans, cranes, some hawks, and eagles.**

9) What animal in the *Mixed Grassland* diorama has the most predators? **Grasshopper**

10) How do prairie grasses prepare for a quick recovery in the event of a prairie fire? **They direct most of their energy into below-ground growth, producing deep roots.**

11) Read the *Avoiding Being Eaten* ILC, then match the following species to their different forms of defence. **Pronghorn:** 4, 7 (speed, grouping); **Porcupine:** 3 (body structure); **Elk:** 3, 7 (body structure, grouping); **Turtle:** 3 (body structure); **Rabbit:** 2, 4, 6 (camouflage, speed, home escape);

Mallard: 2, 5 (camouflage, bluffing); **Beaver:** 3, 6 (body structure, home escape); **Ground Squirrel:** 6, 7 (home escape, grouping); **Goose:** 5, 7 (bluffing, grouping); **Deer:** 3, 4, 7 (body structure, speed, grouping); **Monarch:** 1, 2 (chemical, camouflage); **Skunk:** 1 (chemical); **Garter Snake:** 1 (chemical).

12) After reading the information in the *Mule Deer* diorama, would you rather be a female elk or a female mule deer? **Female mule deer.**

13) How much of the earth's surface do tropical rainforests grow on, compared to how many species live in them? **6% of the earth's surface, but over half of the earth's species.**

14) What do psychologists think is the cause of many of our problems? **The industrialized world view and lifestyles isolate people from nature and each other.**

15) Watch the animation in the tower *Are There No Limits?* What happens to the environment when nitrogen is added faster than the ecosystem can process it? **Aquatic plant populations grow so quickly that they use up all the oxygen that other fish and animals need to survive.**

16) As you walk through The Human Factor section, notice the footprints on the floor. By the time you reach the section *Our Dreams*, the footprints are much smaller. What do you think the reason for this is? Hint; go back and look at the *Wall of Trends* in the "Time Tunnel."

The footprints represent our ecological footprints. They are larger in the first half of the section because it is based on human waste and disrespect for the environment; more space is required to absorb our wastes and provide us with the things we need and want. The smaller footprints represent the less space we need when we make wise choices concerning the environment; there is less of an environmental impact.

