**Worksheet**

**Сайт Московского зоопарка:** <https://www.moscowzoo.ru>.

**Виртуальный тур по Московскому зоопарку:**

<https://www.moscowzoo.ru/vtour/>.

1. **Define which of the following statements are TRUE (T), and which are FALSE (F), and you will learn the word to complete the text.**

|  |  |  |
| --- | --- | --- |
| **Statements** | **T** | **F** |
| 1. Birds are the only living animals that have feathers. | P | S |
| 2. All birds fly. | P | E |
| 3. All birds have two wings. | N | A |
| 4. Birds lose and replace their worn or damaged feathers. | G | R |
| 5. All birds lay eggs. | U | R |
| 6. Most birds eat worms. | O | I |
| 7. All birds are warm blooded. | N | W |

1. **Fill the gaps using the word from the previous exercise. Put the word in the plural form where it is necessary.**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are among the most popular of all birds. They only live in and around the South Pole and the continent of Antarctica. No wild \_\_\_\_\_\_\_\_\_\_ live at the North Pole. There are many different kinds of \_\_\_\_\_\_\_\_\_\_\_. The largest \_\_\_\_\_\_\_\_\_\_\_is called the Emperor Penguin and the smallest kind of \_\_\_\_\_\_\_\_\_\_ is the Little Blue \_\_\_\_\_\_\_\_\_\_. There are 17 different kinds of \_\_\_\_\_\_\_\_\_\_\_\_ in all and none of them can fly. \_\_\_\_\_\_\_\_\_\_\_ have to be able to survive in the some of the Earth's coldest and windiest conditions. They are great swimmers and have thick layers of fat to protect them from the bitter cold. Even in their freezing cold habitats, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ still have to watch out for predators such as killer whales and seals.

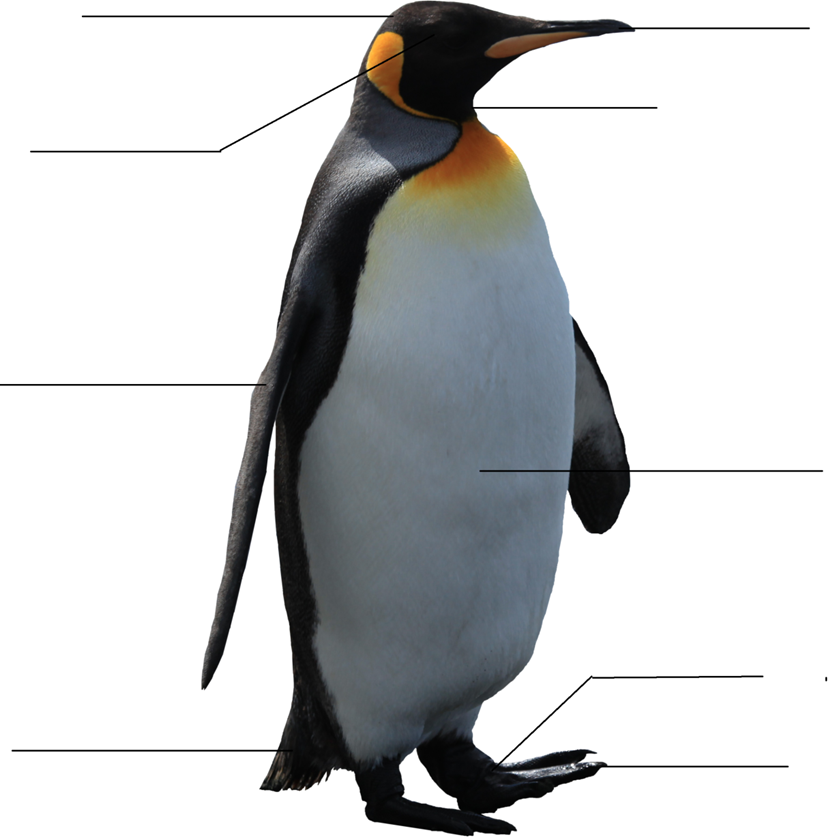
1. **Find the birds from the previous exercise in the pavilion.**

(*Use a virtual tour*: <https://www.moscowzoo.ru/vtour/> - main menu – Bird house).

1. **Where do the Humboldt penguins live? On the map color the geographic range of the birds.**



1. **Match the words *head, eye, flipper, webbed foot, beak, claw, tail, neck, belly* with the parts of the body.**



1. **To complete the life cycle of the penguin put the photos in correct order:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| --- | --- |
| 1 | C:\Users\zhukovaem.GMC\Desktop\для урока птицы\penguinnest.jpg |
|  |  |
| 2 | C:\Users\zhukovaem.GMC\Desktop\для урока птицы\37044bbade2cf87d3d2894fcaf8ad4e8.jpg |
|  |  |
| 3 | C:\Users\zhukovaem.GMC\Desktop\для урока птицы\пигвиненок.jpg |
|  |  |
| 4 | C:\Users\zhukovaem.GMC\Desktop\для урока птицы\1468312971-1526da7ee7fc469948c53a0253d45934.jpg |
|  |  |
| 5 |  |
|  |  |
| 6 |  |

1. **a) Draw the map of the penguin’s enclosure on the grid below. Show landmarks like the land space, the pool for swimming and bathing, paths, rocks, nest boxes, caves, hiding places and etc.**

|  |
| --- |
|  |

**b) Answer the questions.**

How does the enclosure design allow the Penguins to show natural behaviour?

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How does the enclosure design allow for good viewing for the visitors?

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1. **The penguins have a number of features that are adaptations.**
2. Why do the penguins have torpedo-shaped body?

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1. Why do the penguins have wings modified as flippers?

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1. Why do the penguins have webbed feet?

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1. Why do penguins have black backs and white bellies?

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1. **What do the penguins eat? Tick the right photo.**

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| **C:\Users\zhukovaem.GMC\Desktop\для урока птицы\1.jpg** | |  | **C:\Users\zhukovaem.GMC\Desktop\для урока птицы\осетр.jpg** | |  |  | |
|  | **anchovies** |  |  | **sturgeon** |  |  | **squid** |
|  | | | | | | | |
| **C:\Users\zhukovaem.GMC\Desktop\для урока птицы\mice.jpg** | |  | **C:\Users\zhukovaem.GMC\Desktop\для урока птицы\Kapusta_04.jpg** | |  |  | |
|  | **mice** |  |  | **cabbage** |  |  | **krill** |

1. **Fill in the chart given below with the information about the Humboldt Penguin.**

(Use additional information: [**https://clck.ru/Sqq6Q**](https://clck.ru/Sqq6Q)).

|  |  |  |
| --- | --- | --- |
| Scientific Name | Aptenodytes forsteri |  |
| Name | Emperor Penguin | Humboldt Penguin |
| Image |  |  |
| Height | 115 cm |  |
| Weight | 30 kg |  |
| Diet | krill, fish and squid |  |
| Special markings | dark black feathers on head |  |
| Number of young | one |  |
| Geographical Range | Antarctica |  |
| Habitat | the ice or in the surrounding waters of Antarctica |  |

1. **Compare two penguins from the previous exercise.**

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1. **Match the words *leopard seal, polar bear, killer whale, sea lion, giant petrel* with the right photo.**

Do all of these predators hunt the penguins? If not why?

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|  |  |
| --- | --- |
| 1. | C:\Users\zhukovaem.GMC\Desktop\для урока птицы\sea-lion.jpg |
|  |  |
| 2. | C:\Users\zhukovaem.GMC\Desktop\для урока птицы\killer whale.jpg |
|  |  |
| 3. | C:\Users\zhukovaem.GMC\Desktop\для урока птицы\polar bear.jpg |
|  |  |
| 4. | C:\Users\zhukovaem.GMC\Desktop\для урока птицы\leopard seal.jpg |
|  |  |
| 5. | C:\Users\zhukovaem.GMC\Desktop\для урока птицы\giant petrel.jpg |

1. **Using the information of the worksheet create the calendar «The year of the penguins».**