

## Design your own zoo

Use the following list of animals to help plan your zoo. The meters squared is per individual animal. For instance, if one zebra requires 610 m<sup>2</sup>, then two zebras would require 1220 m<sup>2</sup>. You must use the animals on this list, unless you are able to make a reasonable estimate of area required for an animal not on the list.

Mammals		Birds	
Animal	Area (meters squared)	Animal	Area (meters squared)
Zebra	610 m <sup>2</sup>	Peacock	93 m <sup>2</sup>
Elephant	610 m <sup>2</sup>	Ostrich	186 m <sup>2</sup>
Giraffe	610 m <sup>2</sup>	Owl	93 m <sup>2</sup>
Hippo	610 m <sup>2</sup>	Toucan	93 m <sup>2</sup>
Rhinoceros	610 m <sup>2</sup>	Stork	93 m <sup>2</sup>
Anteater	140 m <sup>2</sup>	Emu	186 m <sup>2</sup>
Kangaroo	140 m <sup>2</sup>	Flamingo	93 m <sup>2</sup>
Camel	140 m <sup>2</sup>	Macaw	93 m <sup>2</sup>
Llama	93 m <sup>2</sup>	Eagle	186 m <sup>2</sup>
Hyena	93 m <sup>2</sup>	Vulture	140 m <sup>2</sup>
Warthog	93 m <sup>2</sup>	Reptiles	
Sloth	46 m <sup>2</sup>	Animal	Area (meters squared)
Koala	46 m <sup>2</sup>	Alligator	93 m <sup>2</sup>
Red panda	140 m <sup>2</sup>	Galapagos Tortoise	93 m <sup>2</sup>
Porcupine	46 m <sup>2</sup>	Snapping turtle	46 m <sup>2</sup>
Bats	185 m <sup>2</sup>	Crocodile	93 m <sup>2</sup>
Chimpanzee	140 m <sup>2</sup>	Anaconda	46 m <sup>2</sup>
Orangutan	93 m <sup>2</sup>	Boa	46 m <sup>2</sup>
Gorilla	610 m <sup>2</sup>	Green iguana	19 m <sup>2</sup>
Lemur	93 m <sup>2</sup>	Amphibians	
Lion	610 m <sup>2</sup>	Animal	Area (meters squared)
Tiger	610 m <sup>2</sup>	Poison dart frog	10 m <sup>2</sup>
Leopard	232 m <sup>2</sup>	Bullfrog	10 m <sup>2</sup>
Cheetah	232 m <sup>2</sup>	Toad	10 m <sup>2</sup>
Panther	232 m <sup>2</sup>	Fire belly newt	10 m <sup>2</sup>
Black bear	140 m <sup>2</sup>	Salamander	10 m <sup>2</sup>
Panda	140 m <sup>2</sup>		

## Tips for drawing your zoo blueprint

### Blueprint checklist

- I have included 10 different animals
- I have included two of each animal
- I have include two bonus areas
- I have labeled and named each exhibit
- I have written a title for my zoo
- I have created and provided a legend
- I have created pathways that are at least 2 squares wide

Bonus Area Examples	Area (square meters)
Bathroom	74 m <sup>2</sup>
Kiddie splash pad	46 m <sup>2</sup>
Auditorium	232 m <sup>2</sup>
Concession stand	93 m <sup>2</sup>
Gift shop	93 m <sup>2</sup>
Playground	93 m <sup>2</sup>
Zoo equipment room	46 m <sup>2</sup>



## Area and perimeter

Use this chart after you draw your blueprint to record the area and perimeter of each exhibit. The type of animal is the exhibit, so you may have a giraffe exhibit. Be sure to name your exhibit using the animal. For example: "Playful Penguins" or "Wild and Crazy Gorillas". Also, include your extras here such as restrooms, concessions stands, etc.,

Exhibit	Area	Perimeter	Volume/Capacity

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