

## Guess Zoo – Student Instructions and Key Questions

### How to play:

1. Get into groups of 6 – 8.
2. Pick a species card but **don't** look at it.
3. Hold the card in front of you so that everyone in your group can see the animal apart from you.
4. Take turns to ask Yes or No questions about the animal on your card to the rest of your group. You are not allowed to ask 'Am I a mammal?' for example. Try and see if you can work out what you are from the answers to your questions.
5. If the answer to your question is 'yes', you can have another go! If the answer to your question is 'no', it is the next person's turn.
6. The winner is the first person to guess the animal on their card.
7. Keep playing until everyone in your group has guessed the animal on their cards.

### Class characteristics:

All of the animal classes below are vertebrates (have a backbone).

Fish	Amphibians	Reptiles
<ul style="list-style-type: none"> <li>• Aquatic</li> <li>• Cold-blooded</li> <li>• Breathe with gills (taking oxygen from the water)</li> <li>• Young hatch from eggs in the water (usually)</li> <li>• Scales cover their bodies</li> </ul>	<ul style="list-style-type: none"> <li>• Strong association with both water and land</li> <li>• Two stage lifecycle (e.g. tadpoles turn into frogs)</li> <li>• Breathe with both gills (when young) which turn into lungs (adult) and can also breathe through their skin.</li> <li>• Cold-blooded</li> <li>• Smooth skin</li> <li>• Young hatch from eggs into the water</li> </ul>	<ul style="list-style-type: none"> <li>• Cold-blooded</li> <li>• Dry, scaly skin</li> <li>• Breathe with lungs</li> <li>• Lay eggs on land with no need to return to water</li> <li>• Lay soft shelled eggs (usually)</li> </ul>

Birds	Mammals
<ul style="list-style-type: none"> <li>• Have feathers and wings</li> <li>• Warm-blooded</li> <li>• Lay eggs with hard shells</li> <li>• Breathe with lungs</li> </ul>	<ul style="list-style-type: none"> <li>• Give birth to live young (usually)</li> <li>• Produce milk</li> <li>• Skin covered in hair or fur (usually)</li> <li>• Warm-blooded</li> </ul>

### Example key questions:

- Do I produce milk for my young?
  - Yes – you are a mammal.
  - No – you are not a mammal.
- Do I have fur?
  - Yes - you are a mammal. Remember not all mammals have fur.
  - No - you are not a mammal.
- Do I have feathers?
  - Yes - you are a bird. Even penguins have feathers!
  - No - you are not a bird.
- Am I cold-blooded?
  - Yes - you are a fish, amphibian or reptile.
  - No - you are a bird or mammal.
- Do I have dry, scaly skin?
  - Yes - you are a reptile.
  - No - you are not a reptile.
- Can I respire through my skin?
  - Yes - you are an amphibian.
  - No - you are not an amphibian.
- Do I have internal gills?
  - Yes - you are a fish.
  - No - you are not a fish. Some amphibians have gills but they are external gills.