



answer key.

Subject: Biology

Classification - practice paper

Name:

Date:

Grade 9IB

Circle the correct answer

1. An ornithologist has identified a bird as, "Regulus regulus", commonly known as a "goldcrest"

Which of the following options shows the correct classification of this bird.

option Domain Class Genus

A Eukaryote Chordate Aves (Birds)

B Eukaryote Aves (Birds) Regulus

C Animalia Chordate Aves (Birds)

D Chordate Aves (Birds) Regulus

2. Which of the following characteristics are found in the classification group Cnidaria?

A. Radial symmetry

B. Feathers

C. Mouth and anus

D. Scales

3. Which group of animals have the following features:

Bilateral symmetry

A muscular foot and a mantle

A mouth and an anus?

- A. Chordata
- B. Arthropoda
- C. Cnidaria
- D. Mollusca

4. The diagram below shows an animal found in some water in East Asia.

Which of the following is the best classification of this animal.

- A. Mollusca because of its mouth and its muscular foot
- B. Platyhelminth because it has bilateral symmetry and a flattened body shape
- C. Annelida because of its bilateral symmetry and body segments
- D. Arthropoda because of its bilateral symmetry and its eyes

5. The diagram shown illustrates the animal phyla.

Which of the phyla shown have radial symmetry?

- A. Poriphera and Cnidaria
- B. Annelida, Mollusca and Poriphera
- C. Poriphera only
- D. Cnidaria only

6. The diagram shown illustrates the animal phyla.

Which of the phyla shown could contain animals with both a mouth and an anus?

- A. Mollusca, Annelida and Chordata
- B. Annelida, Mollusca, Arthropoda and Poriphera
- C. Annelida, Chordata, Mollusca, and Arthropoda
- D. Poriphera, Cnidaria and Platyhelmintha

7. There are three domains in the classification of living things. They are called Archaea, Eubacteria and Eukaryotae.

Which of these domains will have organisms that contain mitochondria?

- A. Eukaryotes
- B. Eubacteria and Eukaryotes
- C. Archae and Eubacteria
- D. Eubacteria

8. Which feature in the list below is characteristic of reptiles but not birds?

- A. They feed their offspring on milk
- B. They have bilateral symmetry
- C. They are cold blooded
- D. They lay eggs out of water

9. The image shows a fossilized animal found in the Araripe Basin, northeastern Brazil.

Study the image and decide which is the most appropriate classification group for this animal.

- A: Mollusca
- B: Platyhelmintha
- C: Arthropoda
- D: Chordata

