

Investigation 13A: Data and Answers

1 Setting up

Answers will vary for Table 1.

2 Stop and think

- Physical features that are visible.
- Yes, all have a head, eyes, appendages, mouth and body coverings.

3 Doing the experiment

Answers may vary.

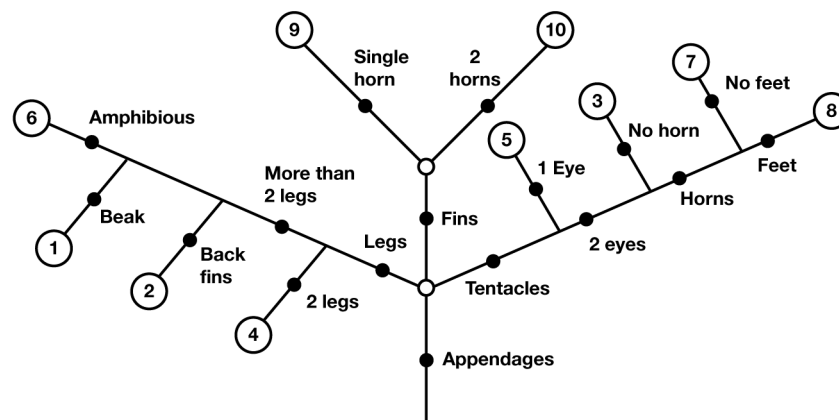
Classification	Feature	Creature number
Habitat	Land	1, 2, 4
	Water	3, 7, 10
	Land and water	5, 6, 8, 9
Type of appendages	Tentacles	5, 7
	Flippers	3, 9
	Legs	1, 2, 4, 6
	Other	
Movement	Walking/crawling	1, 2, 4, 6, 8
	Slithering	9
	Swimming	3, 7, 6, 8, 10
	Other	5, 9
Mouth	Beak	1, 4
	Tube	2, 3, 10
	Regular mouth	5, 6, 8, 9
	Lips	7, 10
	Other	

Classification	Feature	Creature number
Other features	Horns	7, 8, 9, 10
	Antennae	2
	Fins on back	2, 7, 9, 10
	Claws/talons	1, 4, 6
	Hands/feet	4, 8
	Flippers	3, 10
	Wings	4, 9

4 Applying your knowledge

Answers will vary. Sample answers;

- 1, 2, 4; 9 and 10; 5, 3, 7, 8
- 8 and 10, or 2 and 9 seem completely unrelated.
- Answers will vary. A sample cladogram is shown below:



- Answers will vary.

5 Exploring on your own

Answers will vary.