Why Every Organism Needs One Name

Aam, mango, maamidi: one fruit, many names, and one word robin for two different birds. With about 1.8 million species, science needs one name per organism.

Name: Date: Score: ____ / 18

A. Fill in the blanks

1. About 1.7 to 1.8 ____ species have been described.

2. The scientific name of mango is Mangifera ____.

3. Giving standard names to organisms is called ____.

4. Aam and mango are ____ names of one fruit.

5. A scientific name belongs to only ____ organism.

B. True or False

6. A scientific name is the same all over the world. True / False

7. Local names are the same everywhere. True / False

8. "Robin" means the same species in Europe and America. True / False

9. One organism has one scientific name. True / False

C. Assertion and reason

10. Assertion (A): Scientists need a standard name for each organism.
Reason (R): Local names differ from place to place.

(a) Both A and R are true, and R explains A
(b) Both A and R are true, but R does not explain A
(c) A is true, R is false
(d) A is false, R is true

Answer: _____

11. Assertion (A): One common name can cover different species.
Reason (R): "Robin" names different birds in Europe and America.

(a) Both A and R are true, and R explains A
(b) Both A and R are true, but R does not explain A
(c) A is true, R is false
(d) A is false, R is true

Answer: _____

D. Choose the correct option

12. Which is a scientific name?

(a) Aam
(b) Mango
(c) Mangifera indica
(d) Maamidi

Answer: _____

13. The European robin is:

(a) Turdus migratorius
(b) Erithacus rubecula
(c) Homo sapiens
(d) Mangifera indica

Answer: _____

14. Local names are a problem because they:

(a) are too short
(b) vary from place to place
(c) use Latin
(d) are too new

Answer: _____

15. Humans are:

(a) Homo sapiens
(b) Mangifera indica
(c) Erithacus rubecula
(d) Turdus migratorius

Answer: _____

E. Short answer questions

16. Give two reasons why local names are not enough for science.

17. What two properties must a scientific name have?

F. Match the columns

18. Match each item in Column A with the correct item in Column B.

Column A	Column B	Your answer
1. Aam	(a) Marathi	1 → ____
2. Maamidi	(b) Kannada	2 → ____
3. Aamba	(c) Telugu	3 → ____
4. Maavu	(d) Hindi	4 → ____

Detailed solutions

1. million

2. indica

3. nomenclature

4. local

5. one

6. True. That is its purpose.

7. False. They change from place to place.

8. False. They are different species.

9. True. One organism, one name.

10. (a) R explains A.

11. (a) R explains A.

12. (c) Mangifera indica. It is the worldwide name.

13. (b) Erithacus rubecula. The American robin is Turdus migratorius.

14. (b) vary from place to place. Different places use different names.

15. (a) Homo sapiens. Our species name.

16. They vary from place to place, and one name can mean different organisms.

17. It is the same worldwide, and it belongs to only one organism.

18. 1 → (d), 2 → (c), 3 → (a), 4 → (b). Each local name matches its language.