

Historical Milestones in Entomology

Entomology · Answer Key · 18 Questions

1. Who published 'Insectorum sive Minimorum Animalium Theatrum' in 1634, widely considered the first book devoted entirely to entomology?

- A) Thomas Mouffet**
- B) Jan Swammerdam
- C) Carl Linnaeus
- D) William Kirby

2. In 1669, which Dutch naturalist published 'Historia Insectorum Generalis', demonstrating that insects undergo metamorphosis rather than spontaneous generation?

- A) Antoni van Leeuwenhoek
- B) Jan Swammerdam**
- C) Marcello Malpighi
- D) Robert Hooke

3. Maria Sibylla Merian's 1705 publication 'Metamorphosis Insectorum Surinamensium' was revolutionary for its detailed documentation of what specific process?

- A) Insect classification by wing structure
- B) The life cycle of tropical insects**
- C) The chemical composition of silk
- D) The role of insects in pollination

4. Which scientist is credited with establishing the binomial nomenclature system for insects in the 1758 tenth edition of 'Systema Naturae'?

- A) Jean-Baptiste Lamarck
- B) Pierre André Latreille
- C) Carl Linnaeus**
- D) Johann Christian Fabricius

5. In the 18th century, Johann Christian Fabricius developed a unique classification system for insects based primarily on which anatomical feature?

- A) Wing venation
- B) Mouthparts**
- C) Leg structure
- D) Antennae shape

6. Which 19th-century entomologist is famously known as the 'Father of American Entomology' for his work on injurious insects, particularly the Hessian fly?

A) Thomas Say

B) Asa Fitch

C) Townend Glover

D) Benjamin Walsh

7. The 'Entomological Society of London' was founded in which year?

A) 1788

B) 1833

C) 1857

D) 1890

8. In 1877, the United States Congress created the United States Entomological Commission primarily to combat an outbreak of which insect?

A) Rocky Mountain locust

B) Boll weevil

C) Gypsy moth

D) Japanese beetle

9. Which biologist coined the term 'entomology' in its modern scientific usage, derived from the Greek 'entomon'?

A) Aristotle

B) Charles Darwin

C) Karl Ernst von Baer

D) William Kirby

10. What was the primary focus of the research conducted by August Weismann regarding insect development in the late 19th century?

A) Insect migration patterns

B) Germ plasm theory and metamorphosis

C) The classification of Hymenoptera

D) Insect respiratory systems

11. In 1897, Ronald Ross made the breakthrough discovery that malaria is transmitted by which specific genus of mosquito?

A) Aedes

B) Culex

C) Anopheles

D) Psorophora

12. The 'Boll Weevil Monument' in Enterprise, Alabama, was erected in 1919 to commemorate what paradoxical historical event?

- A) The total eradication of the pest
- B) The shift of the local economy from cotton to peanuts**
- C) The discovery of the first pesticide
- D) The first international entomological conference

13. Which entomologist's 1934 work 'The Behavior of the Honey Bee' pioneered the study of social insect communication?

- A) Karl von Frisch**
- B) E.O. Wilson
- C) Jean Henri Fabre
- D) William Morton Wheeler

14. In 1948, Paul Müller received the Nobel Prize in Physiology or Medicine for his discovery of the insecticidal properties of which substance?

- A) Pyrethrin
- B) DDT**
- C) Nicotine sulfate
- D) Malathion

15. Who is considered the 'father of sociobiology' for his extensive work on the evolution of social behavior in ants?

- A) Bert Hölldobler
- B) E.O. Wilson**
- C) Thomas Eisner
- D) May Berenbaum

16. The 'International Congress of Entomology' held its first meeting in Brussels in which year?

- A) 1885
- B) 1910**
- C) 1925
- D) 1940

17. In 1859, Henri de Saussure contributed significantly to the study of which insect order through his extensive work on their classification?

- A) Orthoptera**
- B) Coleoptera
- C) Lepidoptera
- D) Diptera

18. Which entomologist conducted the famous 19th-century experiments that debunked the theory of spontaneous generation by showing that maggots only developed on meat accessible to flies?

A) Francesco Redi

B) Lazzaro Spallanzani

C) Louis Pasteur

D) August Weismann