

Historical Milestones in Entomology

Entomology · Practice Test · 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