

FIELD SANITATION TEAM CERTIFICATION COURSE



LESSON 7 - ARTHROPODS AND DISEASE

FSTCC0007-1

Lesson Objectives

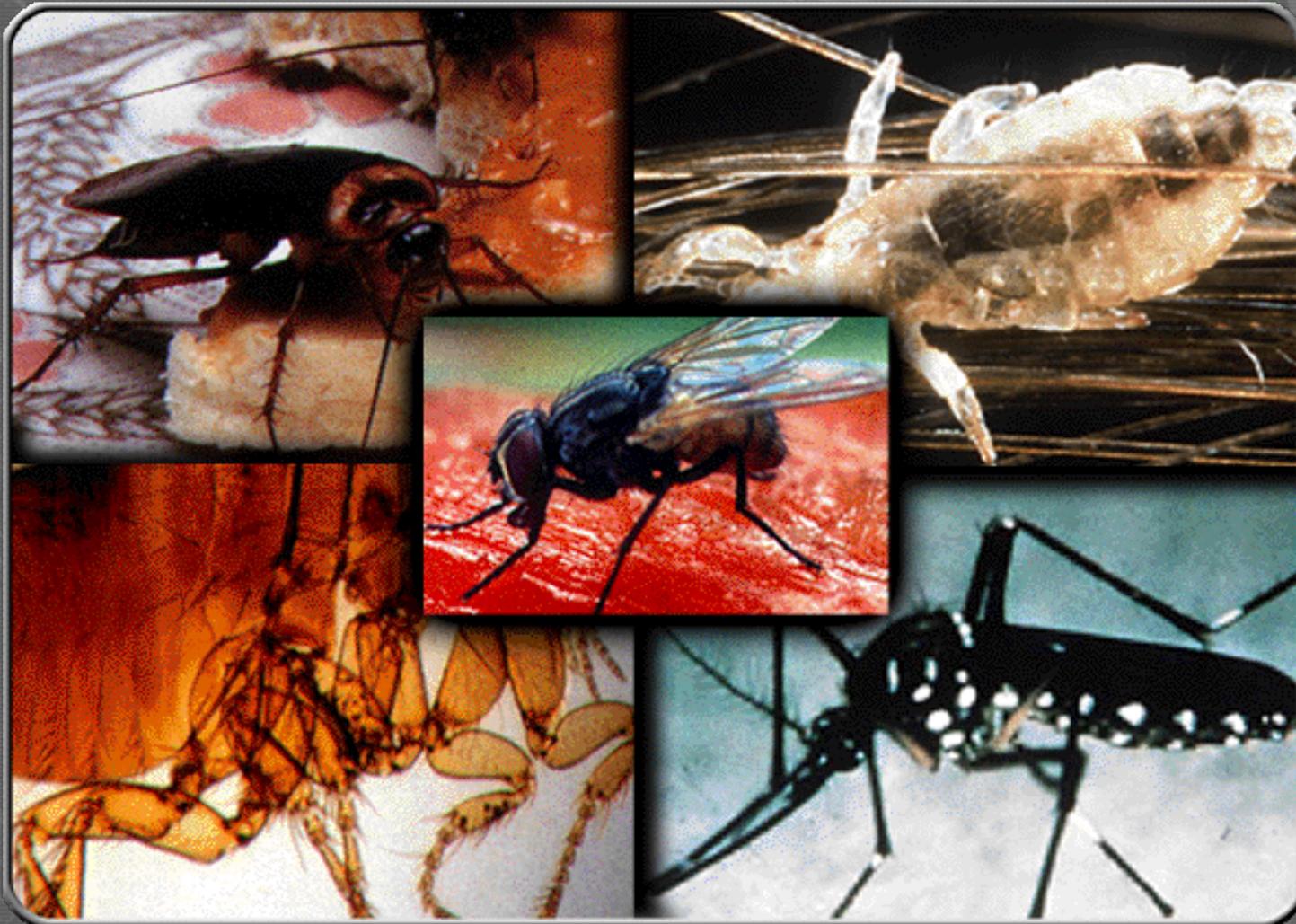
- ***Match a list of terms with a list of correspondence definitions.***
- ***Identify and select the habitats for each of the 6 arthropods important to military operations.***
- ***Identify the ways arthropods affect human health.***
- ***Identify how arthropods spread diseases.***
- ***Name the arthropod-borne diseases and their vectors.***

•Definitions



- **Arthropods** - animals, including ticks, spiders, mites, and other insects as well as crustaceans such as shrimp, lobster, and crab.
- **Vector** - a carrier.

Arthropods Important to Military Operations



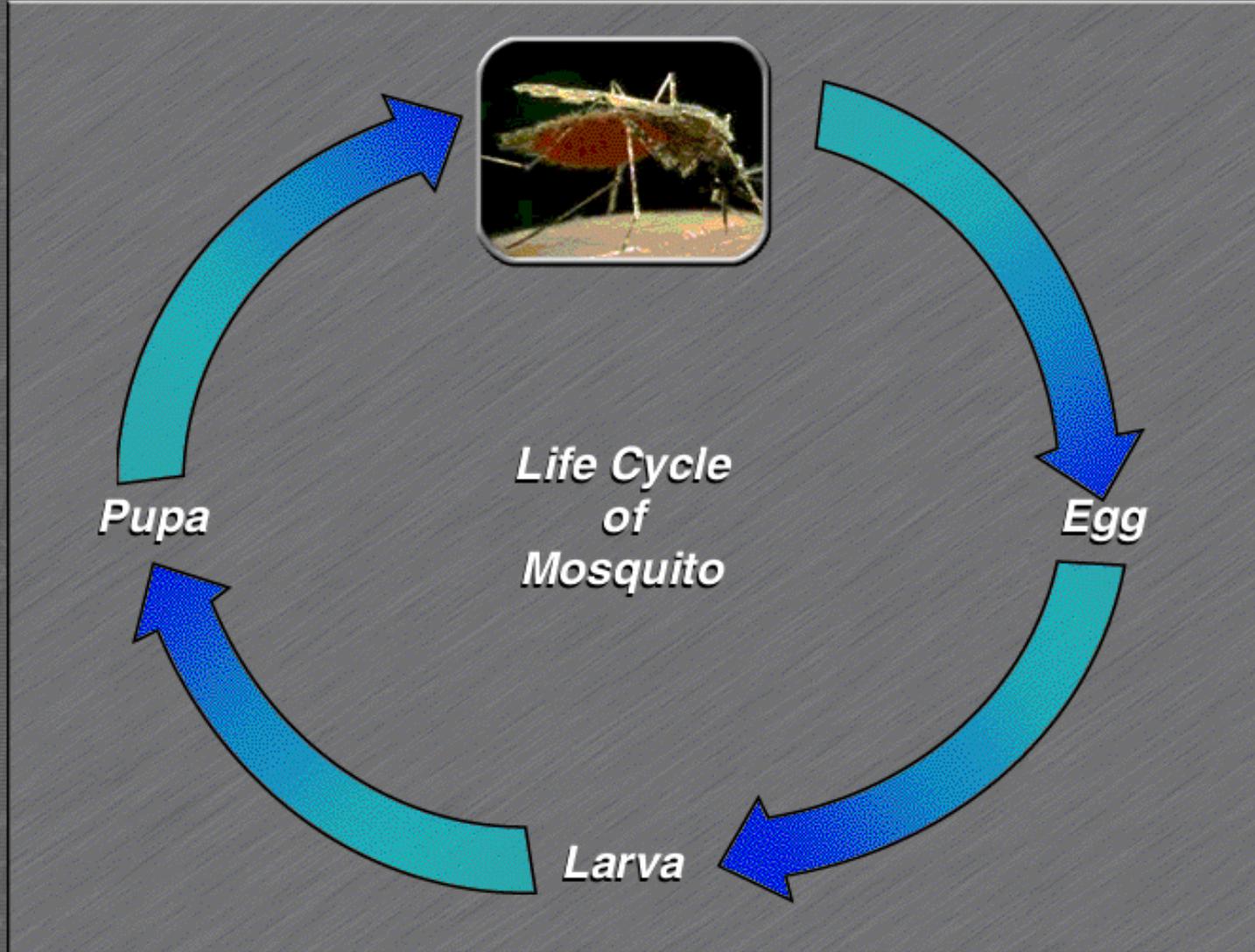
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Mosquitos



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Mosquitos - Life Cycle

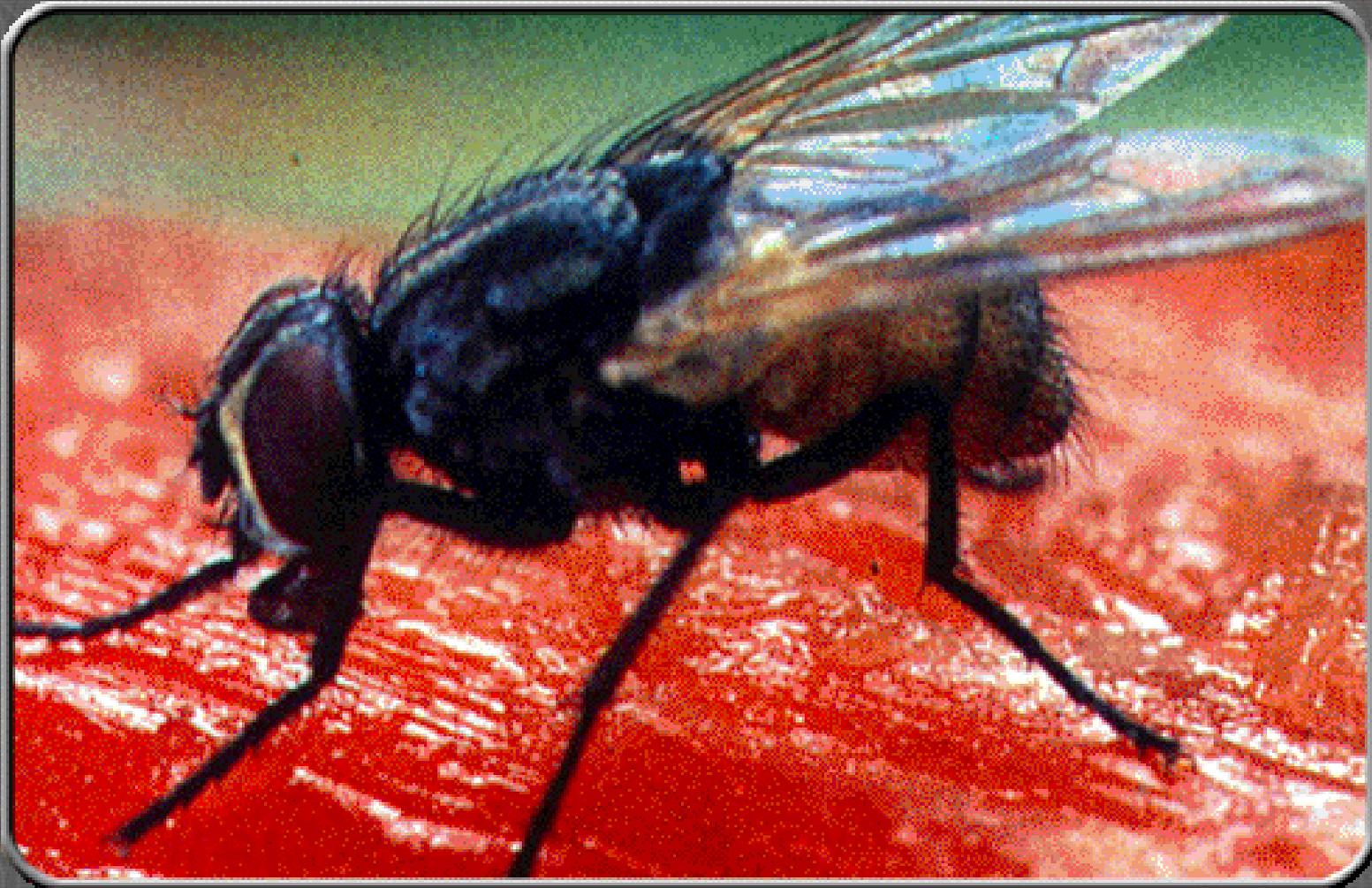


Mosquitos - Habitat



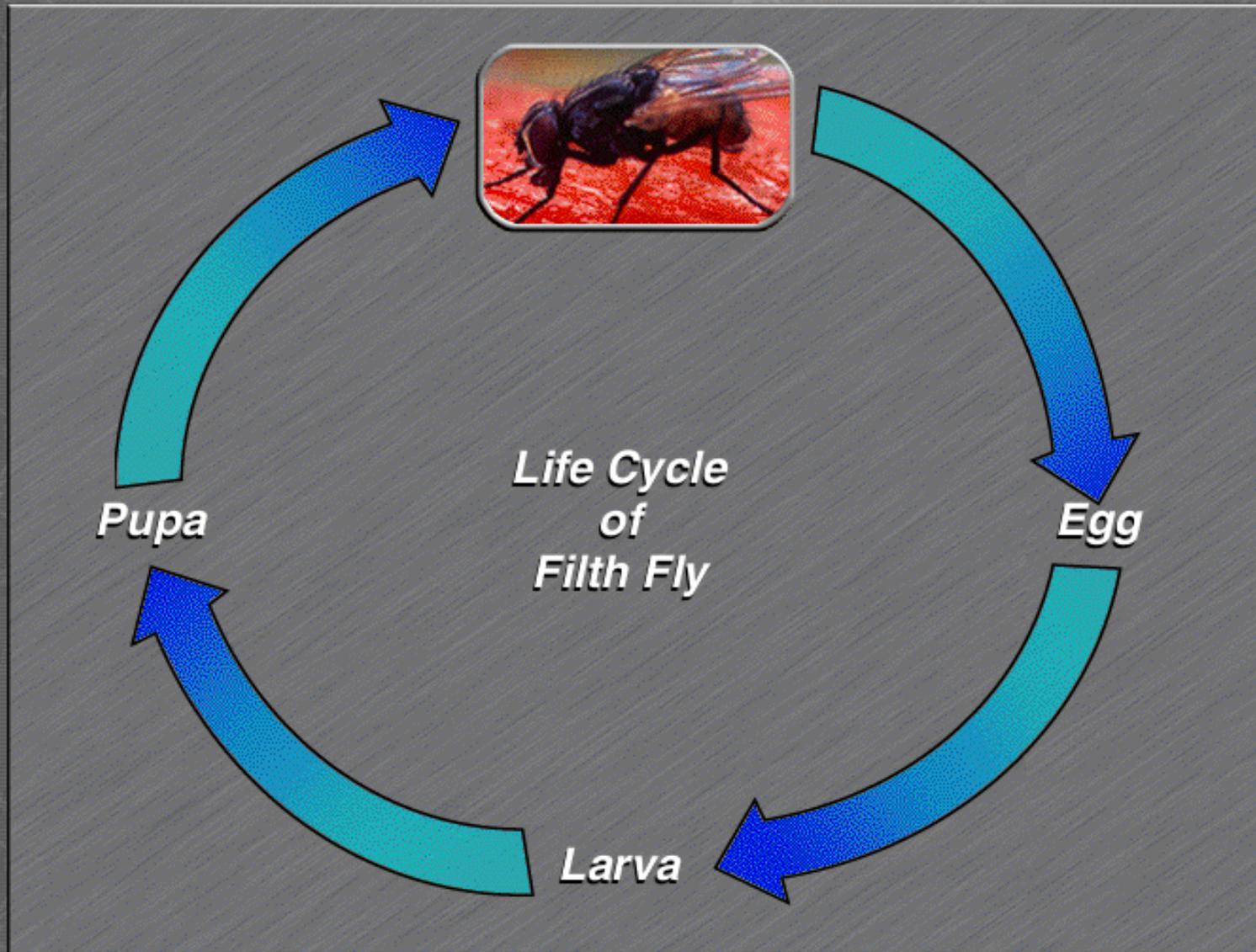
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Filth Flies



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Filth Flies - Life Cycle

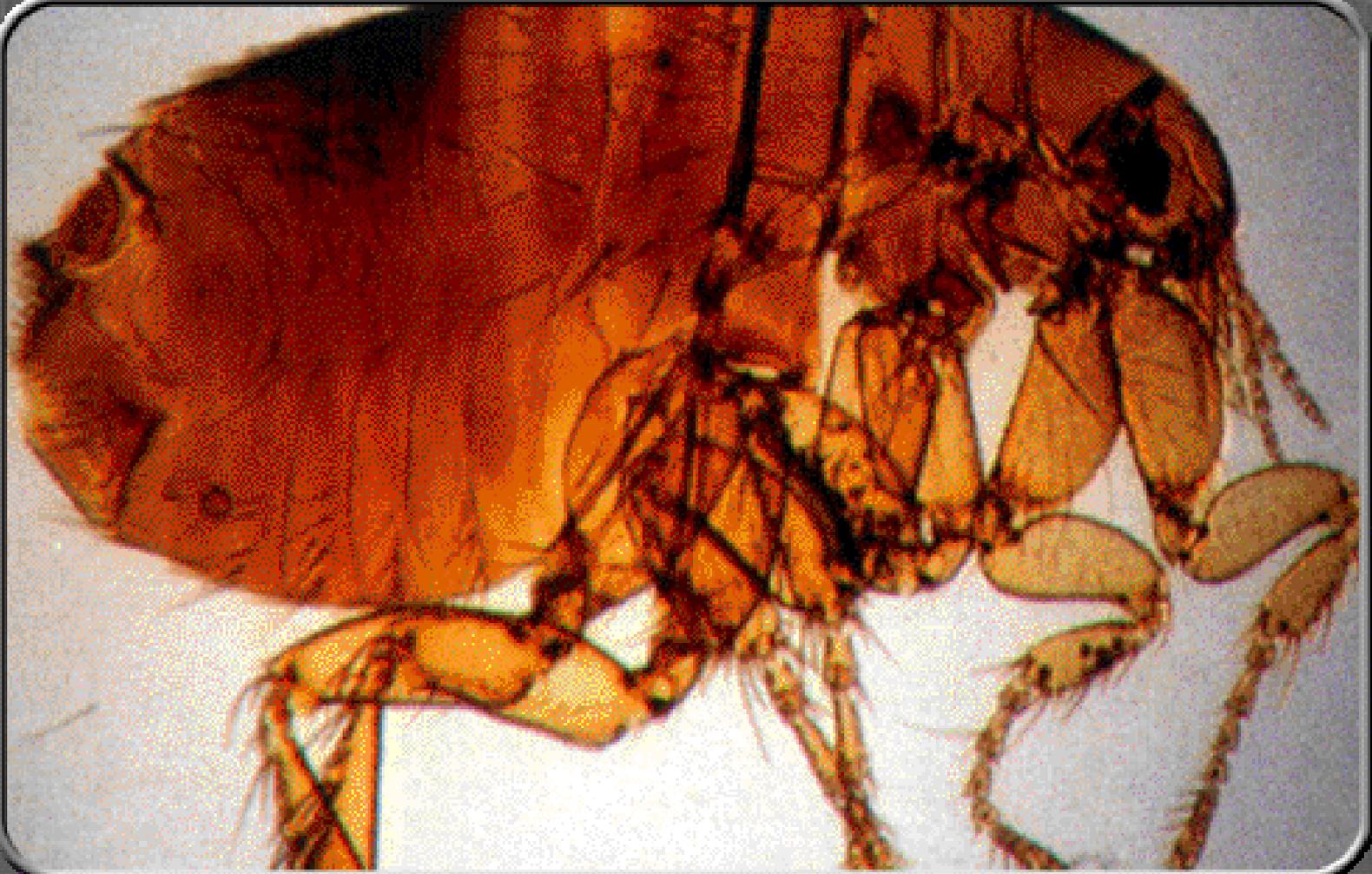


Filth Flies - Habitat



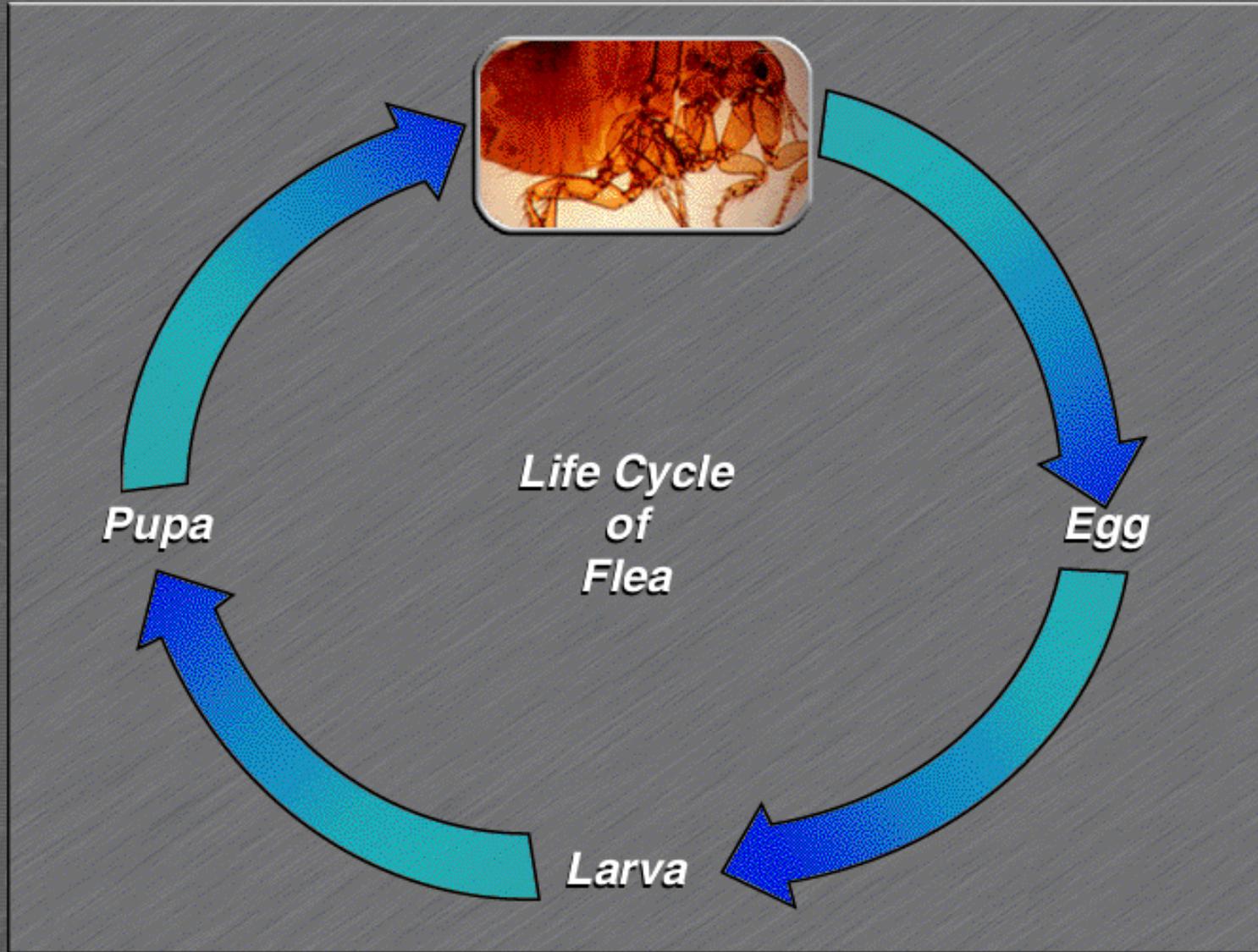
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Fleas



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Fleas - Life Cycle

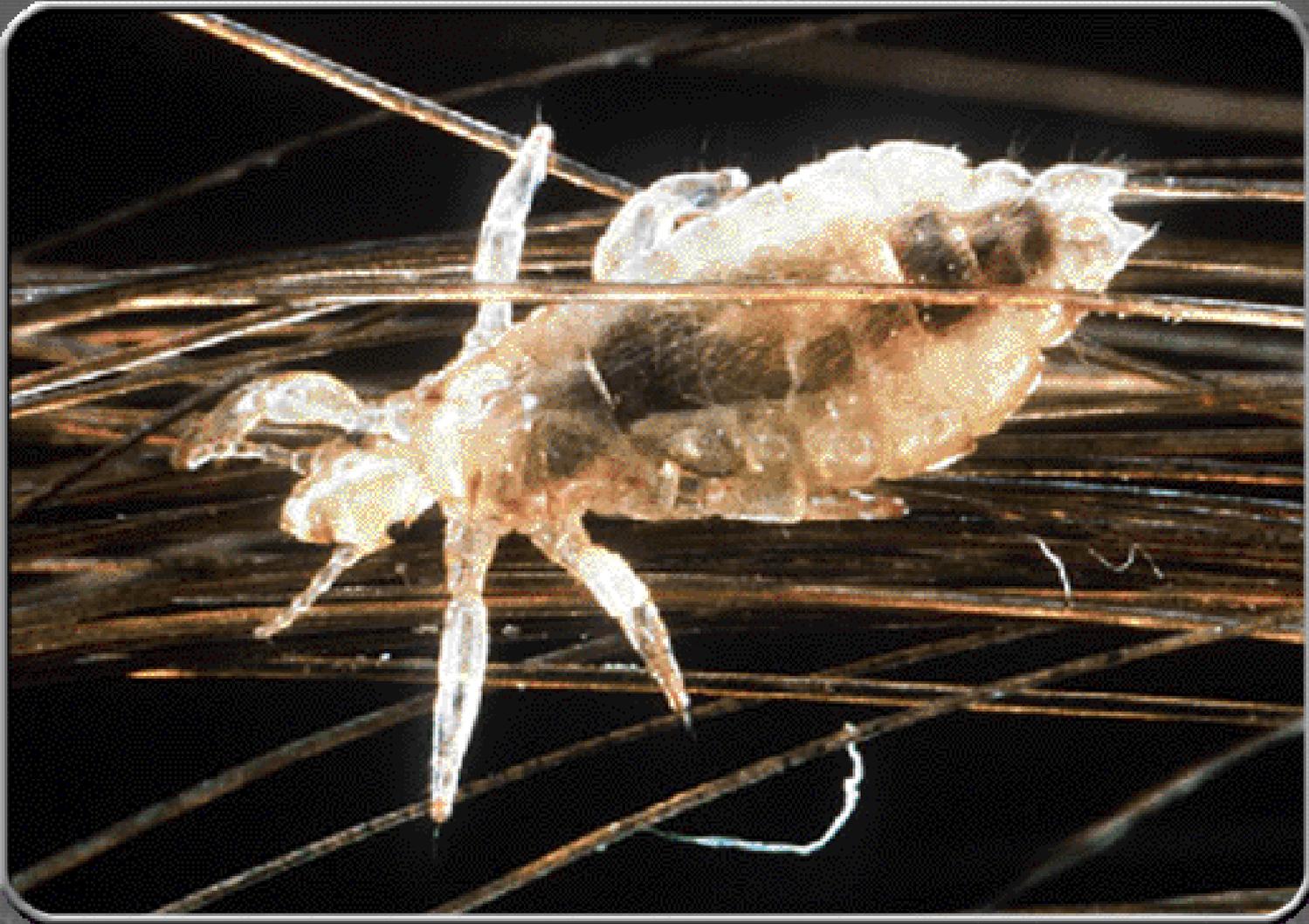


Fleas - Habitat



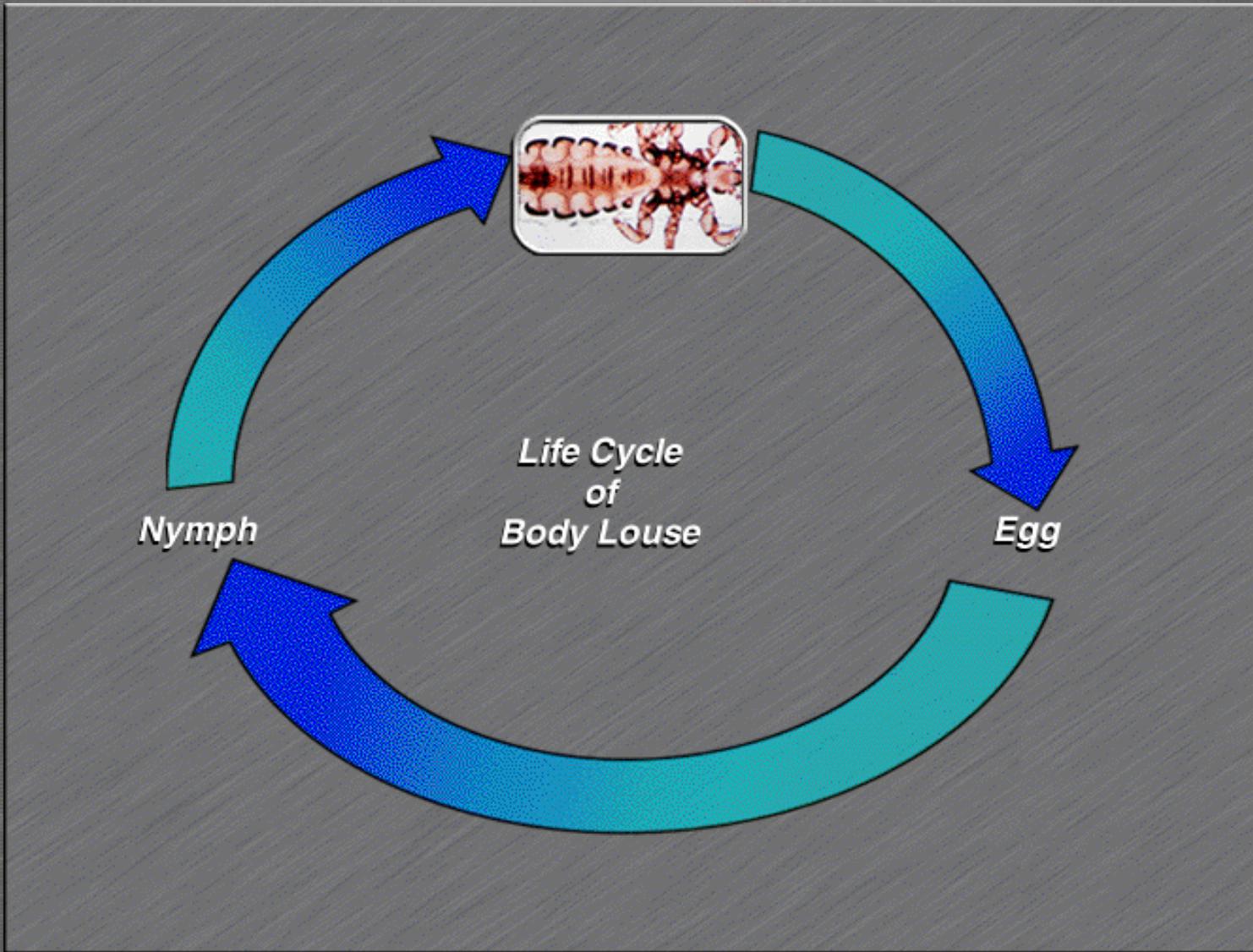
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Lice



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Lice - Life Cycle

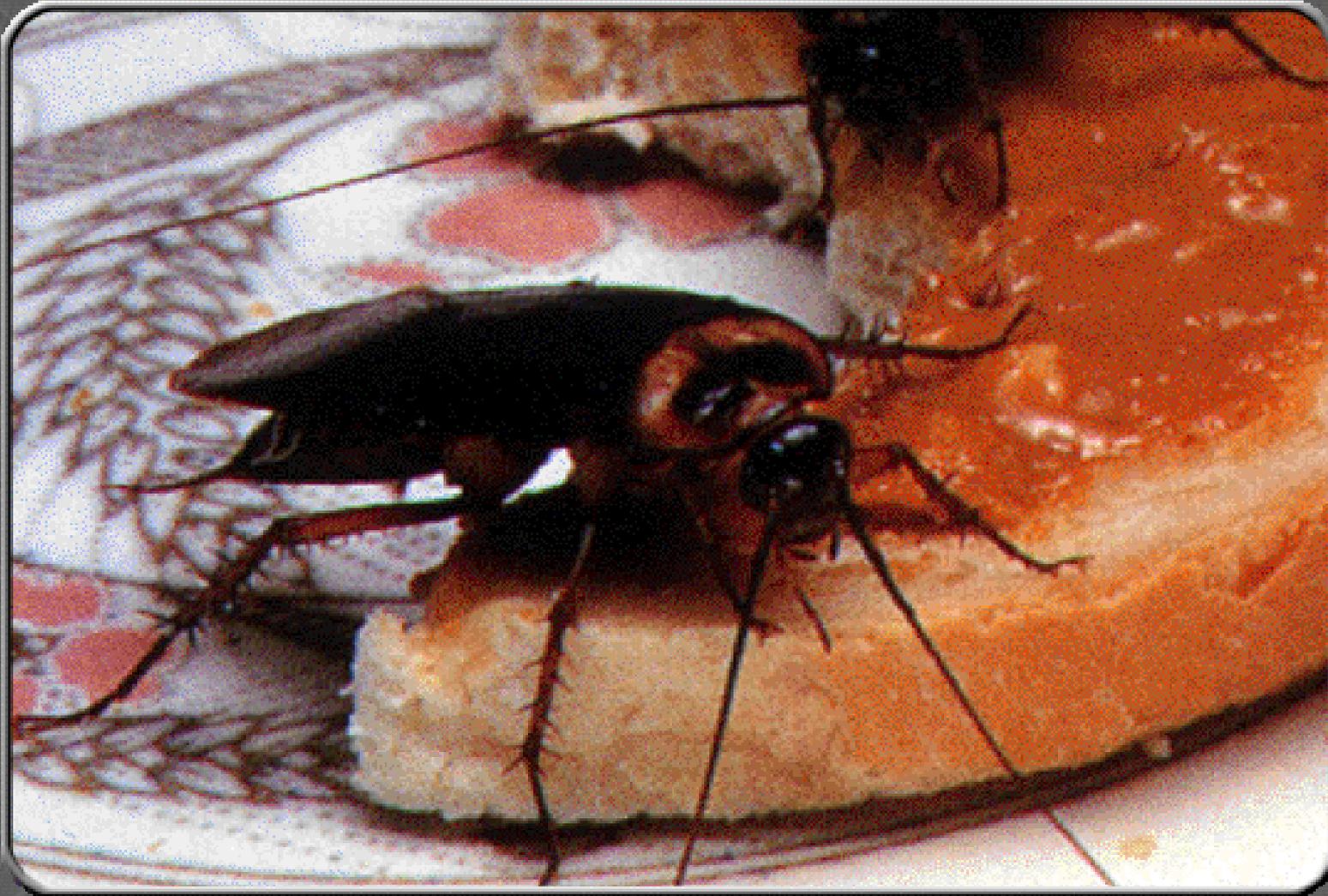


Lice - Habitat



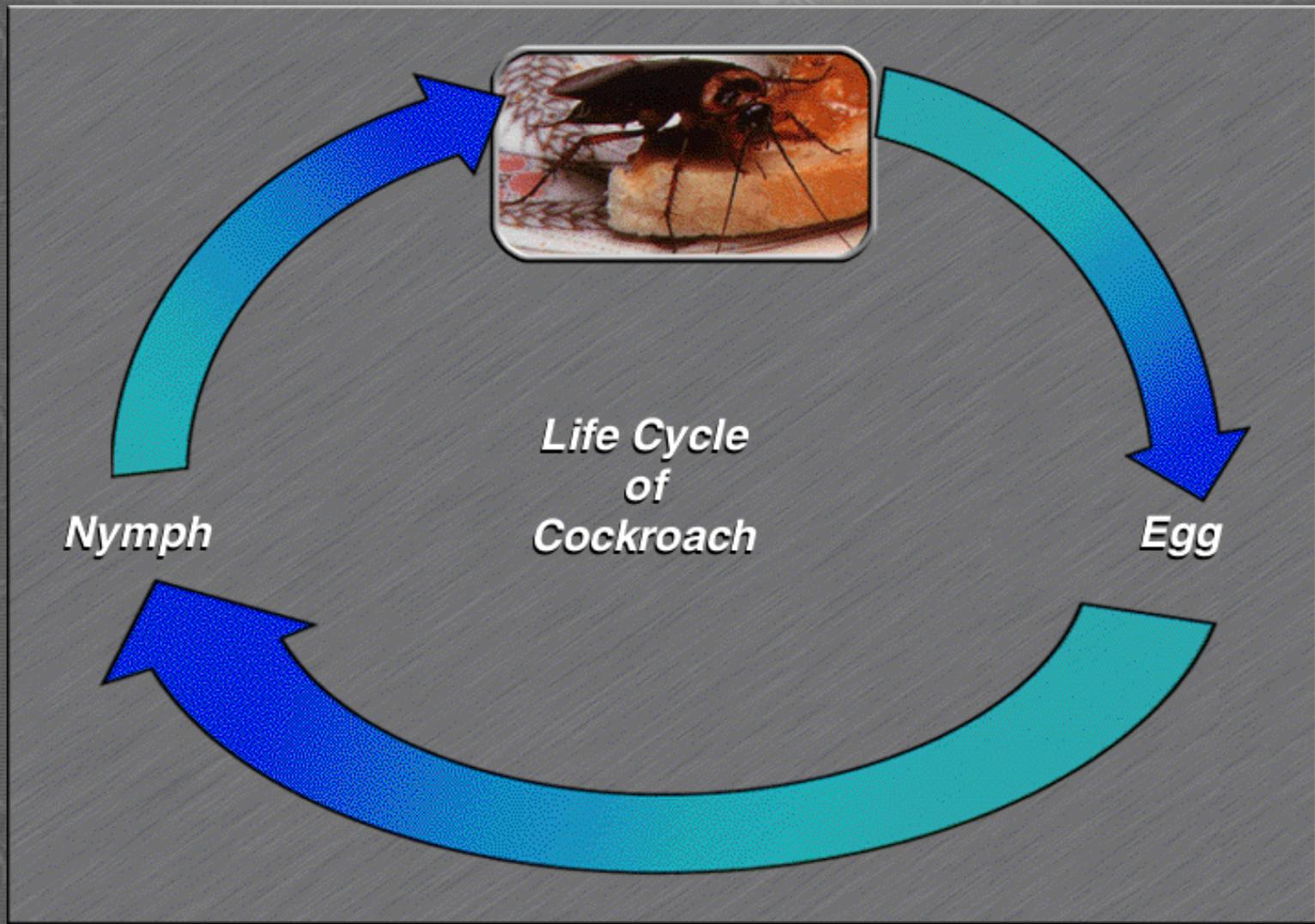
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Cockroaches

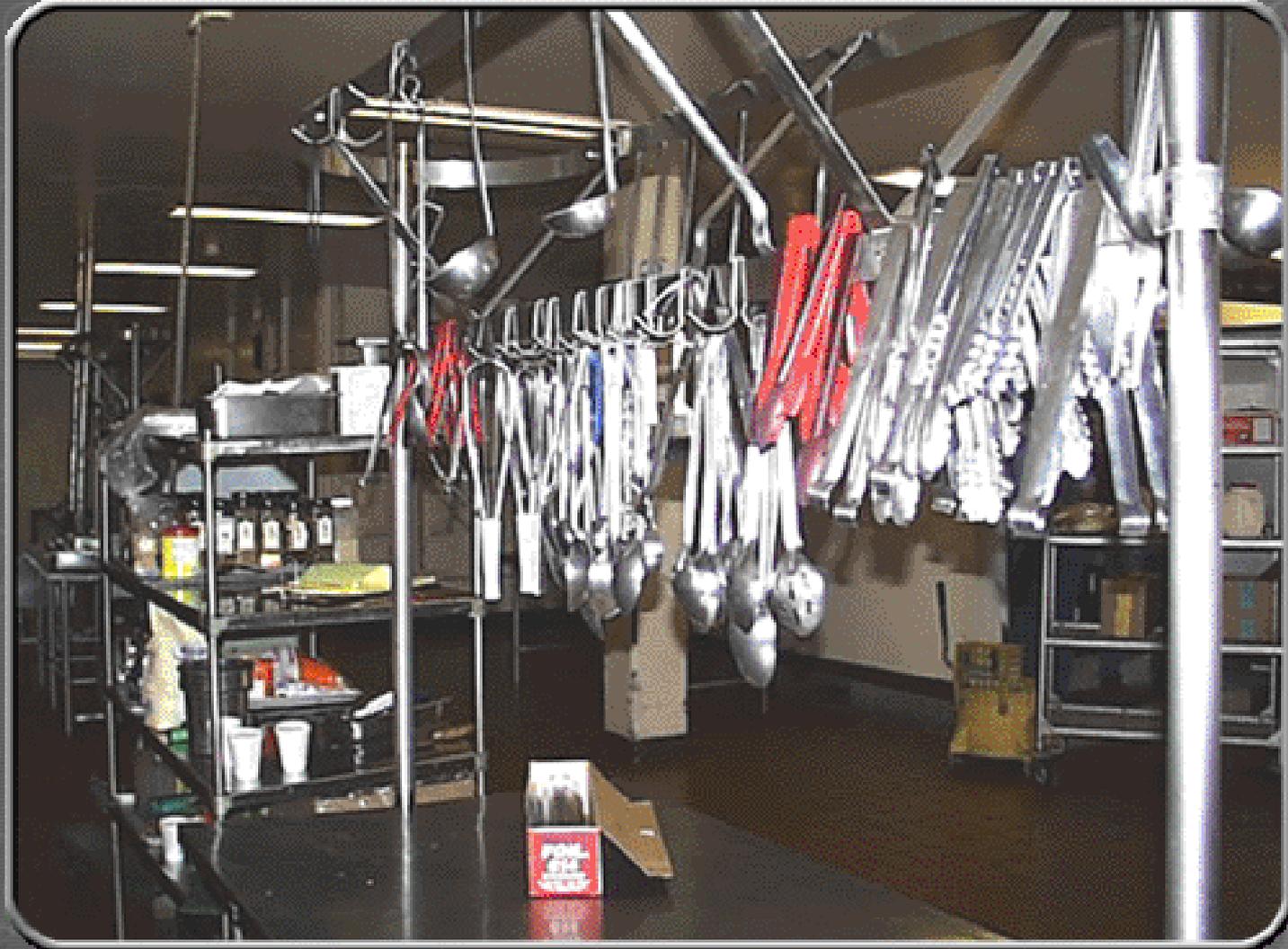


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Cockroaches - Life Cycle



Cockroaches - Habitat



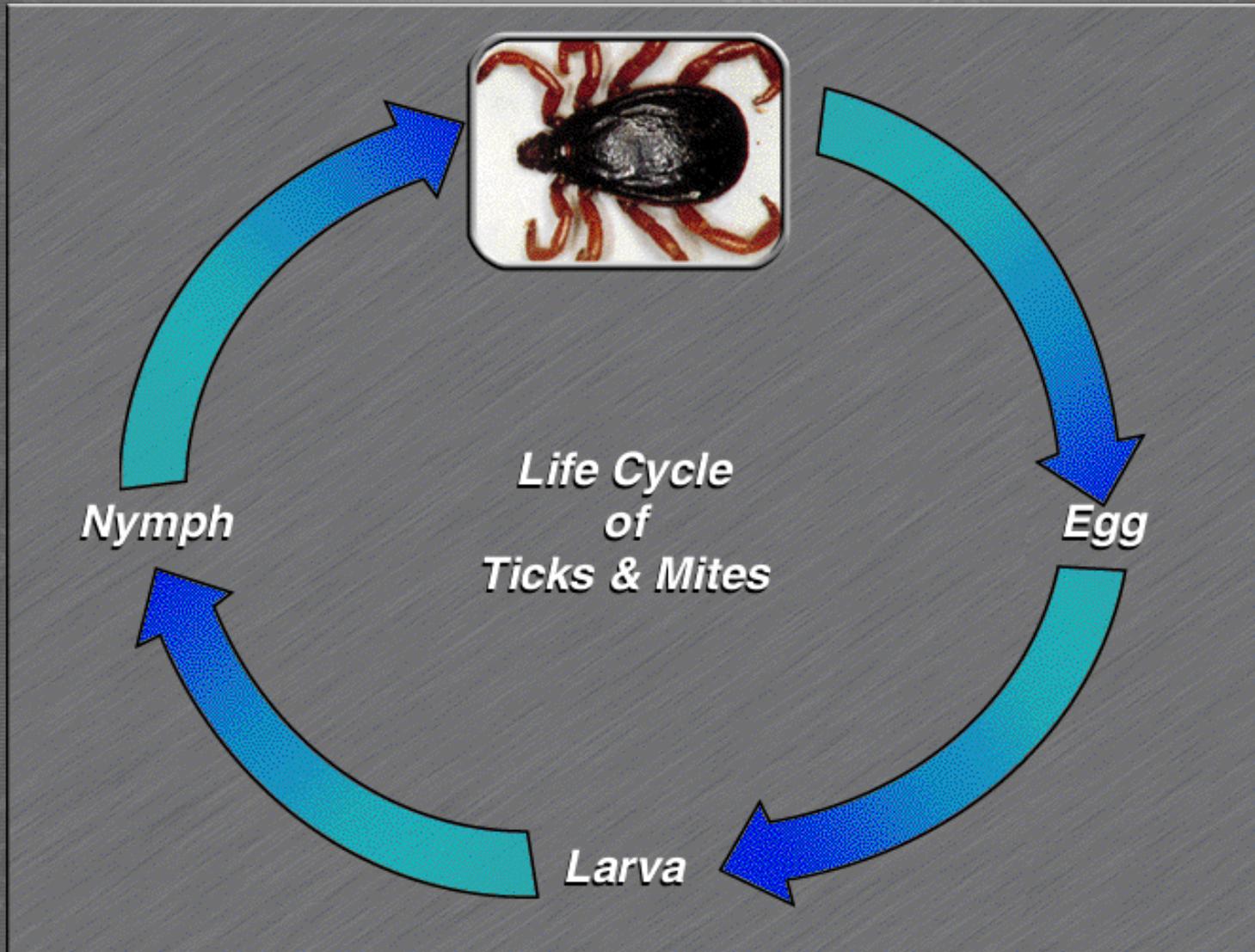
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Ticks and Mites



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Ticks and Mites - Life Cycle



Ticks and Mites - Habitat



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How Arthropods Affect Human Health



Head Lice



Body Lice

Direct Injury - Bites



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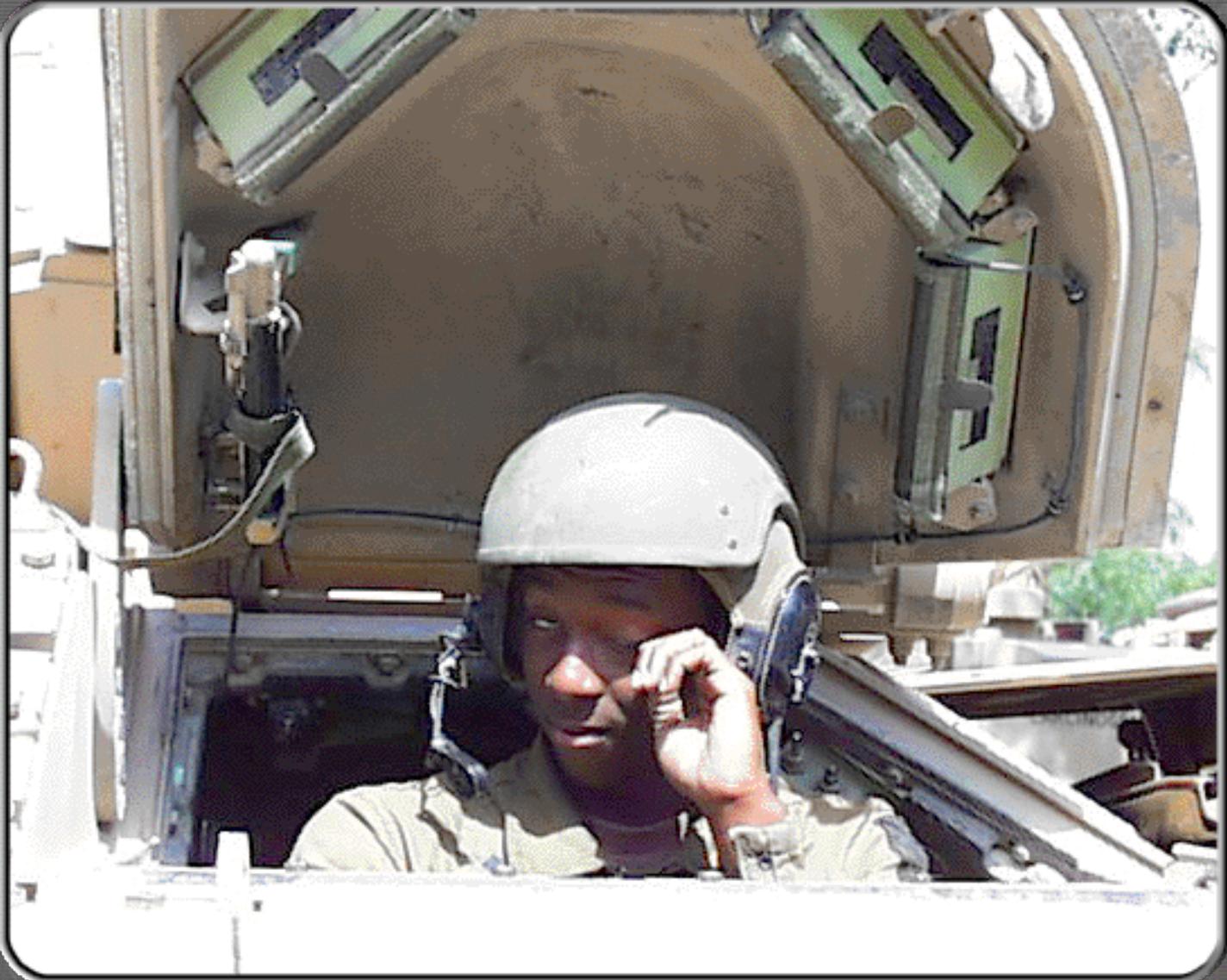
Direct Injury - Envenomization



Direct Injury - Entomophobia

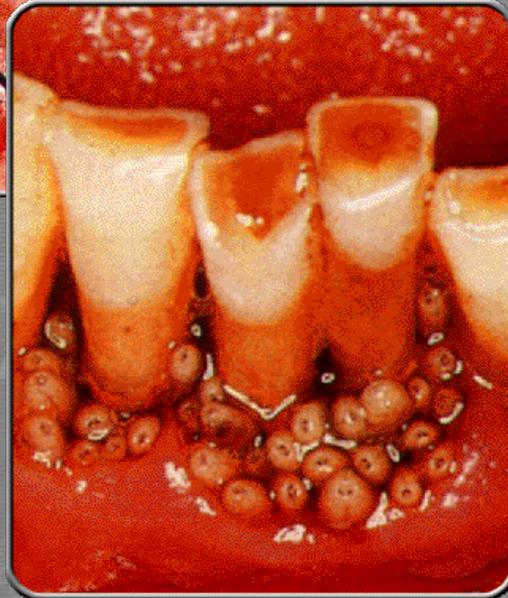


Direct Injury - Accidental Injury to Sensory Organs



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Direct Injury - Myiasis

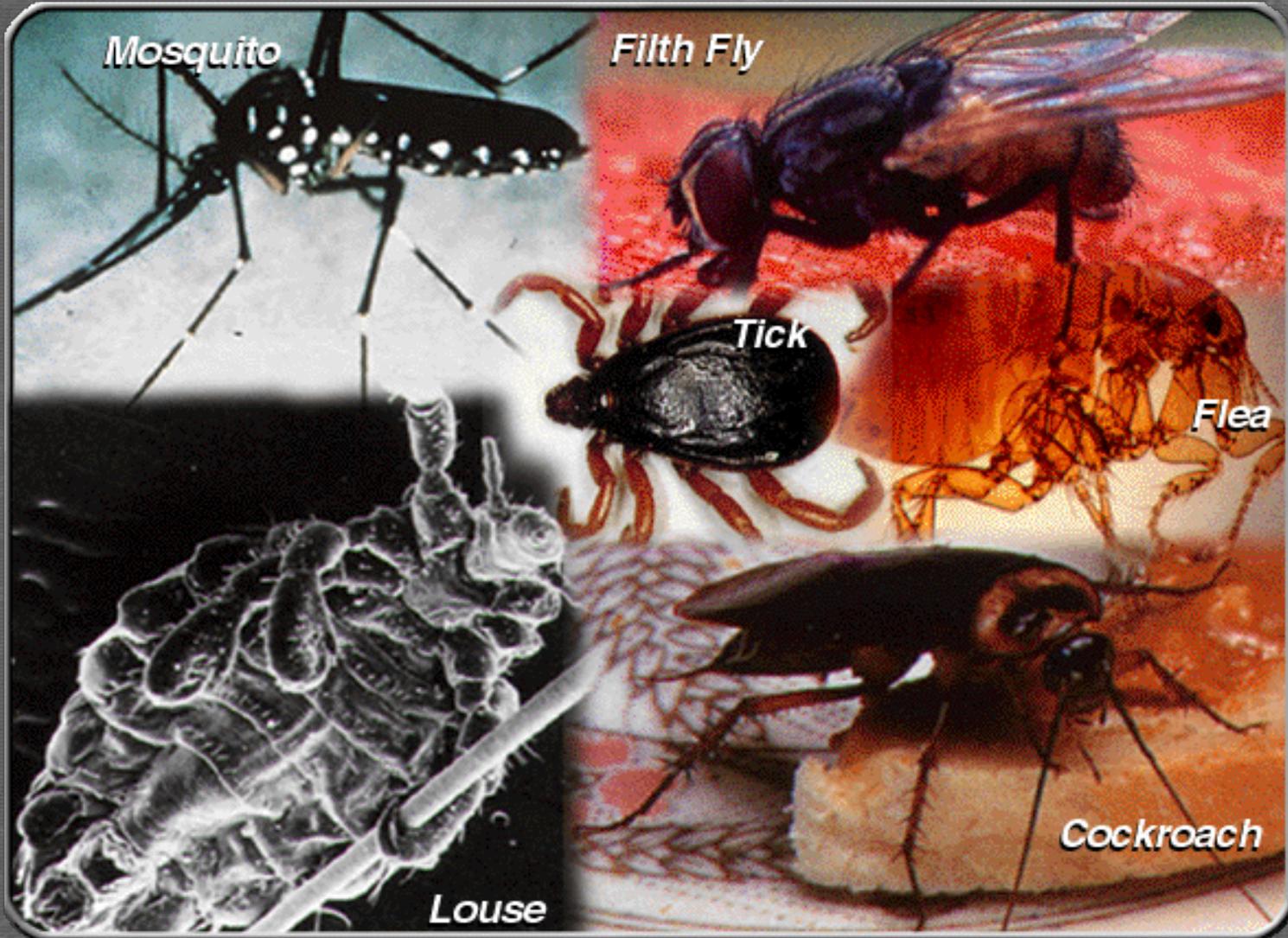


Direct Injury - Allergies



- ***Reaction to cockroach feces and shed skin.***
- ***Reactions to other arthropods such as dust mites.***

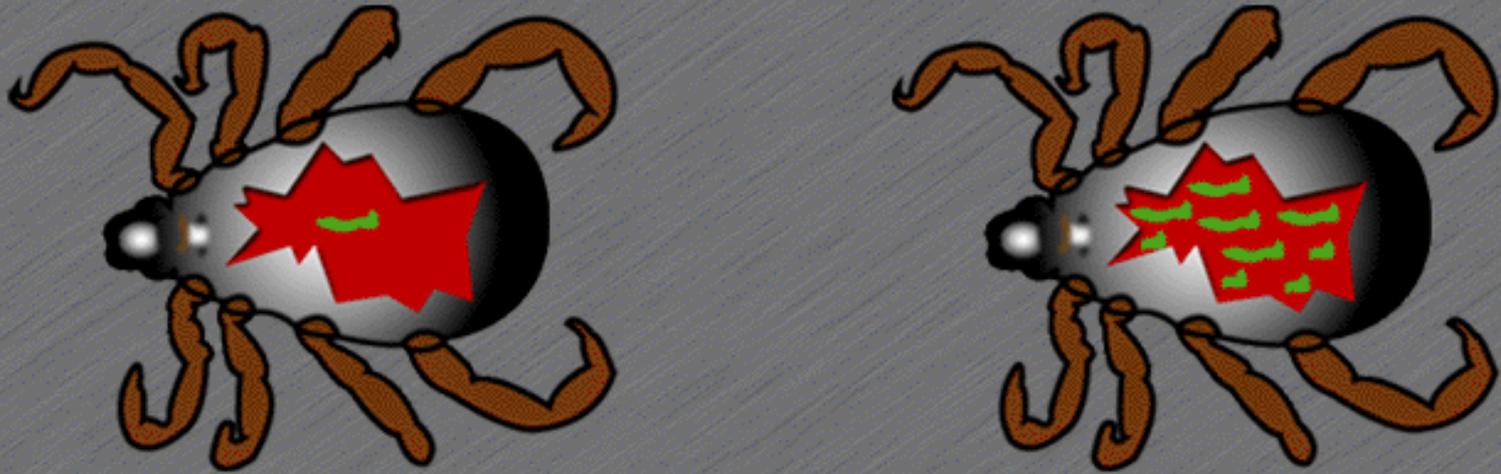
How Disease is Spread



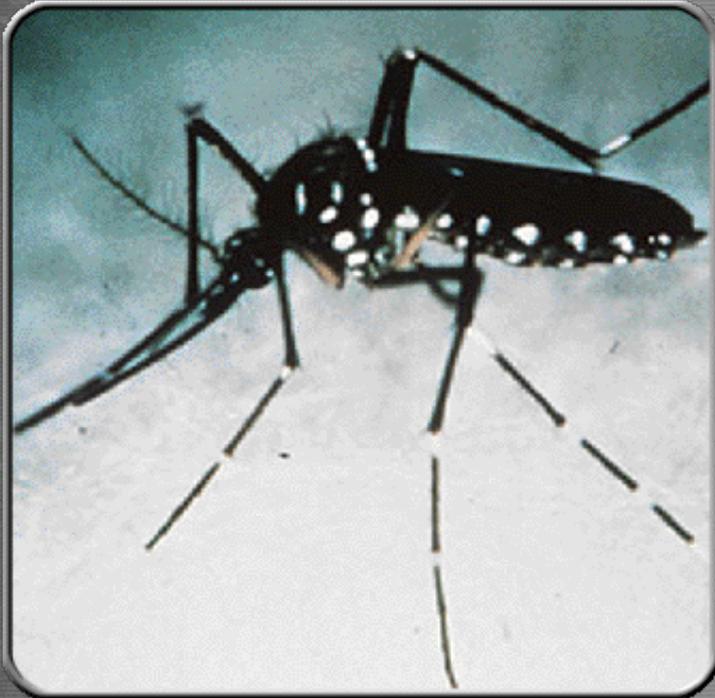
Passive or Mechanical Transmission



Active or Biological Transmission



Diseases and Their Vectors - Mosquitos



- ***Malaria***
- ***Yellow Fever***
- ***Dengue Fever***
- ***Encephalitis***



Dengue Fever

Diseases and Their Vectors - Other



Leishmaniasis

- ***Sand Fly Fever***
- ***Leishmaniasis***
- ***Epidemic Typhus***
- ***Bubonic Plague***

SUMMARY