

# BioBlitz

## ... finding nature in the city

Ever met an "...OLOGIST" ??

How about an "...IST" ??

Check out the many different "...OLOGISTS" and "...ISTS" at BioBlitz

Research scientists specialise in identifying, classifying, and studying a different group of organisms. Each has a different name for their particular field of science. "...OLOGISTS" and "...ISTS" have fascinating jobs !! Visit Bioblitz to find out why.

### Kingdom Animals

#### Vertebrates (with backbone)

- Ornithologists – study birds
- Herpetologists – study reptiles
- Ichthyologists – study fish
- Mammalogists – study mammals

#### Invertebrates (without backbone)

- Entomologists – study many different kinds of insects
- Limnologists – study fresh-water invertebrates
- Coleopterists – study beetles
- Lepidopterists – study moths, butterflies, and caterpillars
- Hymenopterists – study wasps, bees, and ants
- Hemipterists – study true bugs, aphids, cicadas, mealybugs, and scale insects
- Arachnologists – study spiders
- Dipterists – study flies
- Acarologists – study mites
- Malacologists – study snails and other molluscs
- Nematologists – study nematodes (tiny eel-worms in soil)

### Kingdom Fungi

- Mycologists – study many different kinds of fungi
- Agaricologists – study mushrooms
- Lichenologists – study lichens (fungi & algae together)

### Kingdom Plants

- Botanists – study many different kinds of plants
- Bryologists – study mosses and liverworts
- Pteridologists – study ferns
- Algologists – study algae

### Kingdom Protists

- Bacteriologists – study bacteria
- Myxomycetologists – study slime moulds

Why do we study many different kinds of organisms ??

#### 1. For Biodiversity (to know New Zealand):

- Which organisms are present in New Zealand?
- How do they live?
- How do they interact with other organisms (including us)?

#### 2. For Biosecurity (to protect New Zealand from weeds, pests, & diseases):

- Which organisms threaten New Zealand?
- What will be their likely effects on other organisms?

#### 3. For Conservation (to protect New Zealand's uniqueness):

- Which organisms are threatened and require our special care?