

# Who studies what

Ever met an "...OLOGIST"??

How about an "...IST"??

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

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 !!

## Animal Kingdom

### 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)

## Fungi Kingdom

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

## Plant Kingdom

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

## Micro-organism Kingdoms

- Bacteriologists – study bacteria
- Myxomycetologists – study slime moulds
- Phycologists – study algae

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?