KB-assisted Downstream Tasks

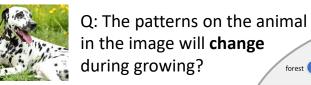
KB as Benchmarks

Understanding

Recognition

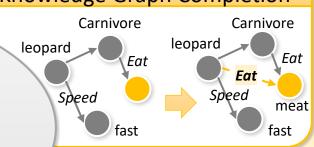
Fine-grained VQA

forest



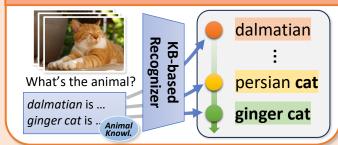
w/o KB: No. (for most dogs) w/ KB: Yes. (for dalmatian)

Benchmark for **Knowledge Graph Completion**



Text

Zero-shot Recognition



Multi-modal **AnimalKB**



Benchmark for

