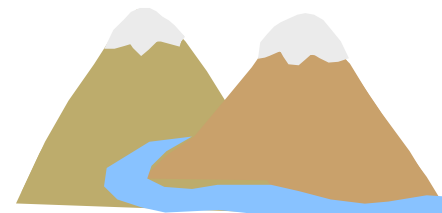


# Model Selection 2

Does it capture the outputs of interest (and relationships between inputs/parameters and outputs) with sufficient *accuracy* to answer your research questions

**IS IT GOOD ENOUGH?**



# Model Validation (Is it reasonable)

- Compare model results to simple thought experiments
- Similar to testing: conservation of mass, energy, behaviors under known conditions (zero rain = zero streamflow; zero CO<sub>2</sub> change = zero T change)?
- Are the values for outputs physically reasonable (e.g. snowpack  $> 0$ , reservoir storage  $<$  reservoir)