

Name _____

Can You Teach AI How Things Fit Together? Answer Key

1. Emotions - Taxonomy: Emotions → Positive (Happy → Joyful, Excited; Calm → Peaceful) | Negative (Sad → Disappointed; Angry → Furious)

Key Idea: Grouped by tone and intensity; shows emotional range.

2. Food Types - Taxonomy: Food → Fruits (Apple, Banana, Orange) | Vegetables (Carrot, Lettuce, Salad) | Prepared Foods (Pizza, Sandwich)

Key Idea: Natural vs. prepared foods; simple structure for recognition.

3. School Subjects - Taxonomy: Subjects → Language Arts (Literature, Poetry) | Math (Algebra, Geometry) | Science (Biology, Chemistry) | Social Studies (History)

Key Idea: Group by discipline first, then topic.

4. Animals - Taxonomy: Animals → Mammals (Dog, Cat, Tiger) | Birds (Eagle, Penguin) | Reptiles (Snake, Lizard)

Key Idea: Organized by biological class; clean, natural hierarchy.

5. Weather Descriptions - Taxonomy: Weather → Clear (Sunny, Clear) | Cloudy (Cloudy, Overcast) | Rain (Drizzle, Rainy, Thunderstorm) | Snow (Snow, Blizzard) | Stormy

Key Idea: Grouped by type and severity of condition.

6. Movie Genres - Taxonomy: Genres → Action (Superhero, Thriller) | Comedy (Romantic Comedy) | Drama (Mystery) | Horror | Documentary

Key Idea: Subgenres nested under parent genres; clear overlap.

7. Transportation - Taxonomy: Transport → Land (Car, Bus, Train, Bike, Motorcycle, Scooter) | Air (Airplane, Helicopter)

Key Idea: Classified by medium of travel.