BFO for Plants

Barry Smith
New York Botanical Gardens
November 5, 2010

BFO: the very top

Continuant

Independent
Continuant

Continuant

Occurrent (Process, Event)

BFO: the very top

Continuant Independent Dependent Continuant Continuant organism

Occurrent (Process, Event)

RELATION TO TIME		OCCURRENT			
	INDEPENDENT		DEPENDENT		
GRANULARITY					
ORGAN AND ORGANISM	Organism (NCBI Taxonomy)	Anatomical Entity (FMA, CARO)	Organ Function (FMP, CPRO)	Phenotypic Quality (PaTO)	Biological Process (GO)
CELL AND CELLULAR COMPONENT	Cell (CL)	Cellular Component (FMA, GO)	Cellular Function (GO)		
MOLECULE	Molecule (ChEBI, SO, RnaO, PrO)		Molecular Function (GO)		Molecular Process (GO)

OBO Foundry

RELATION TO TIME		OCCURRENT			
GRANULARITY	INDEPENDENT		DEPENDENT		
ORGAN AND ORGANISM	Organism (NCBI Taxonomy)	Anatomical Entity (FMA, CARO)	Organ Function (FMP, CPRO)	Phenotypic Quality (PaTO)	Organism-Level Process (GO)
CELL AND CELLULAR COMPONENT	Cell (CL)	Cellular Component (FMA, GO)	Cellular Function (GO)		Cellular Process (GO)
MOLECULE	Molecule (ChEBI, SO, RnaO, PrO)		Molecular Function (GO)		Molecular Process (GO)

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Basic Formal Ontology

continuant

independent continuant

cellular component dependent continuant

molecular function

occurrent

biological processes

BFO: The Very Top

continuant

occurrent

independent continuant

dependent continuant

quality function role disposition

Basis of BFO in GO

Continuant

Independent Continuant

cellular component

Dependent Continuant

molecular function

Occurrent

biological process

Example: The Cell Ontology

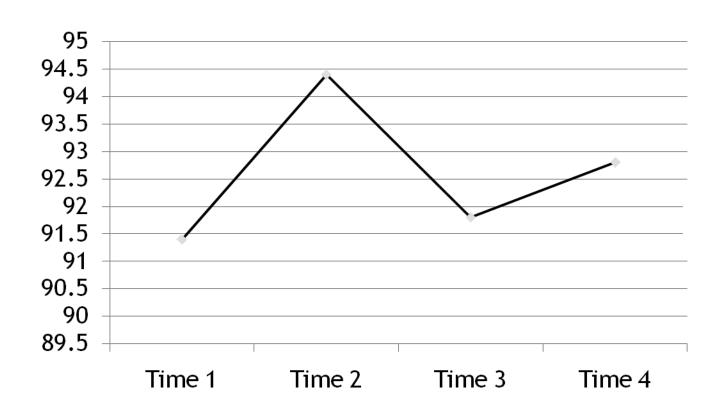
SUBCLASS EXPLORER

For Project:
DC CL

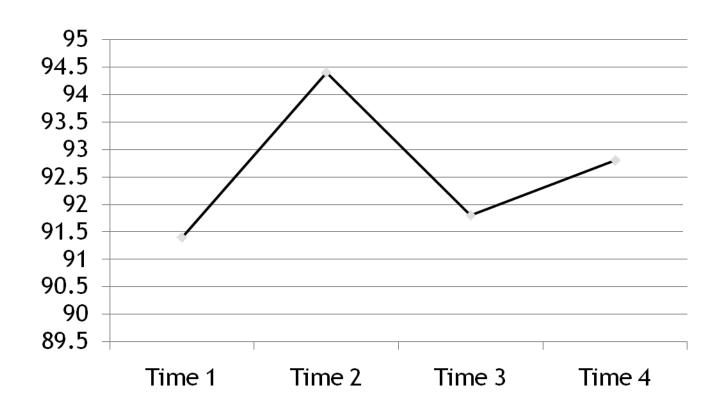
Asserted Hierarchy



A Chart representing how John's temperature changes



A Chart representing how John's temperature changes

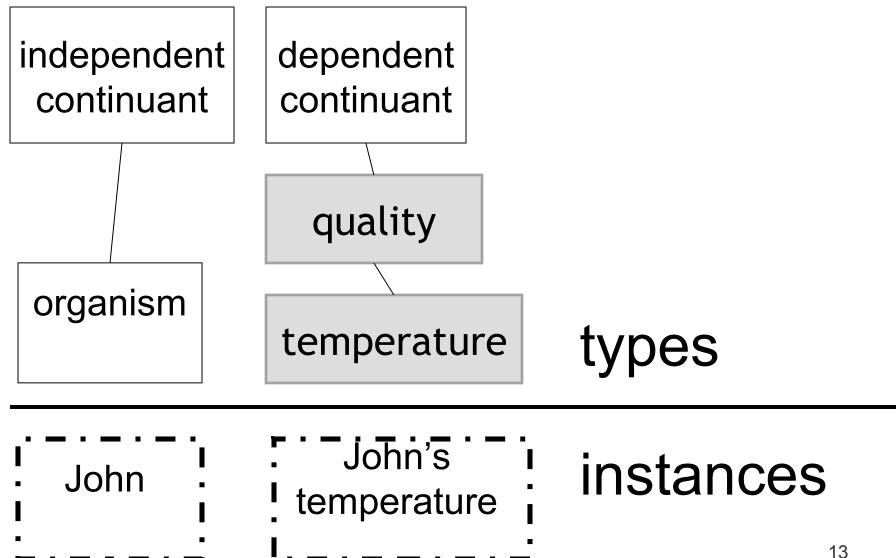


BFO: The Very Top

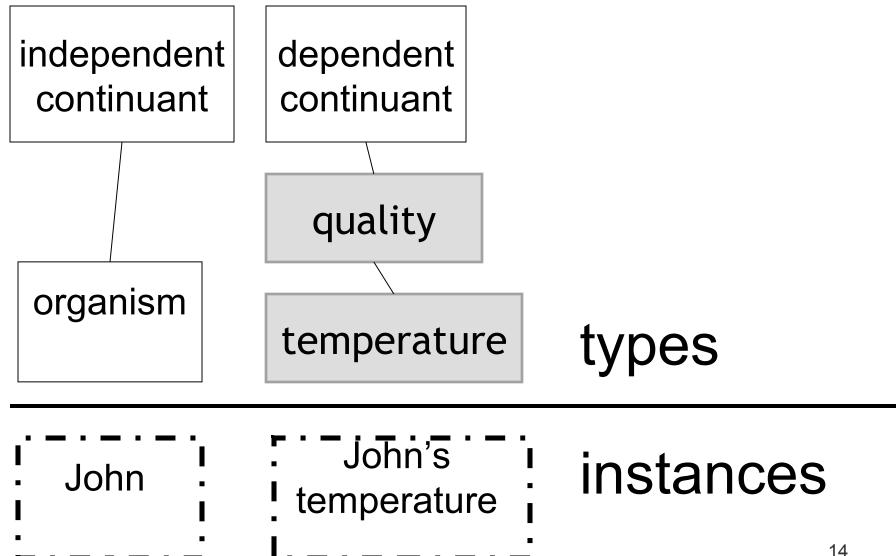
continuant independent dependent continuant continuant quality temperature

occurrent

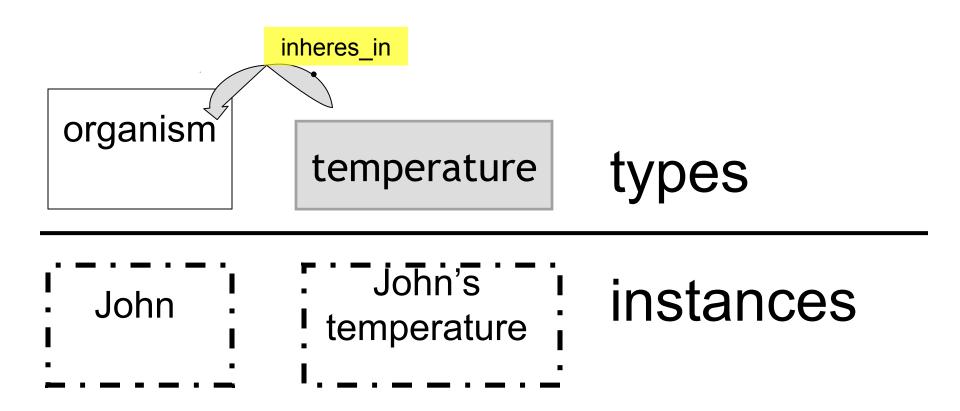
Blinding Flash of the Obvious

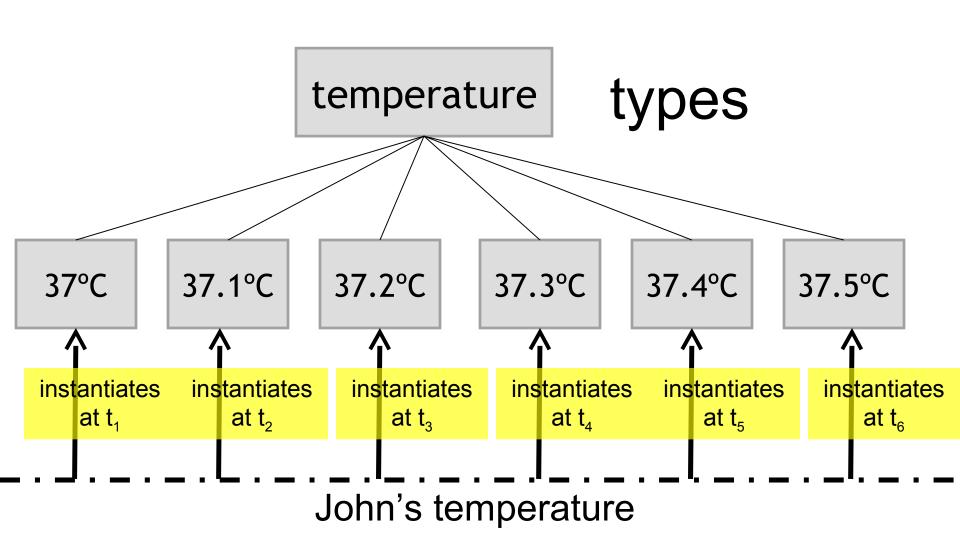


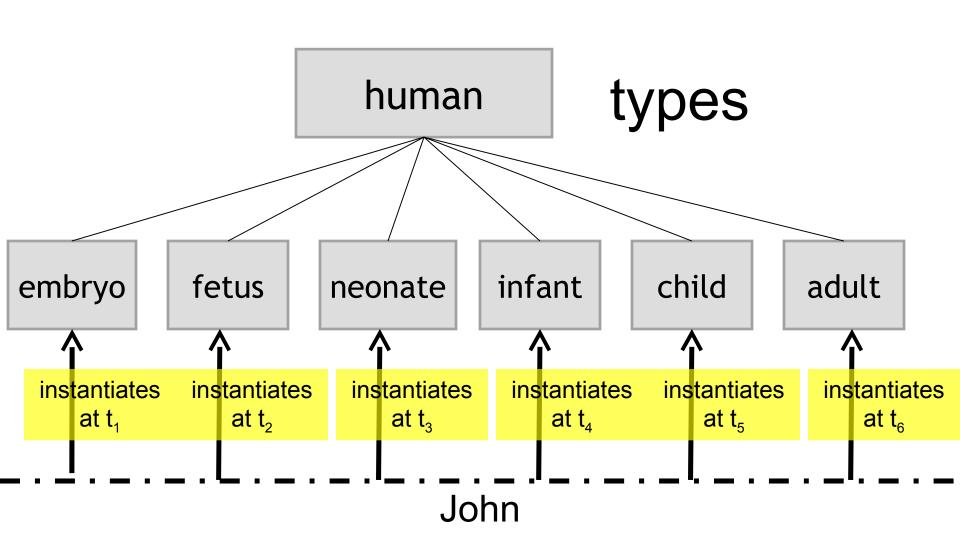
Blinding Flash of the Obvious

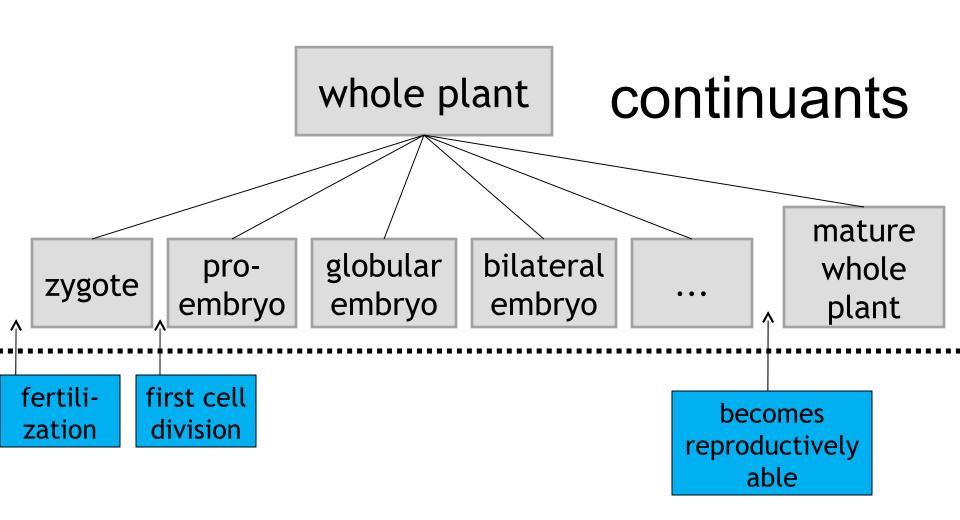


Blinding Flash of the Obvious

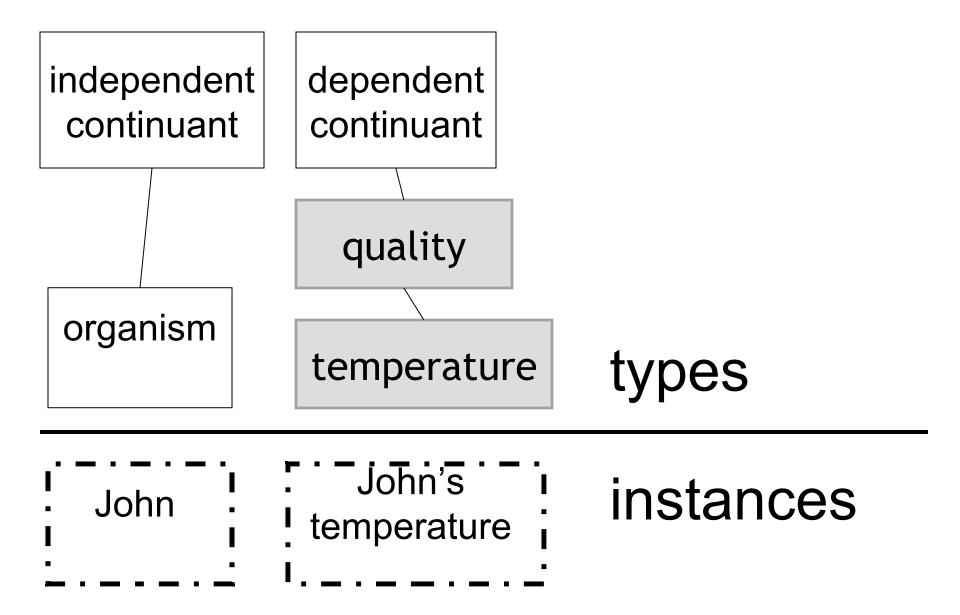


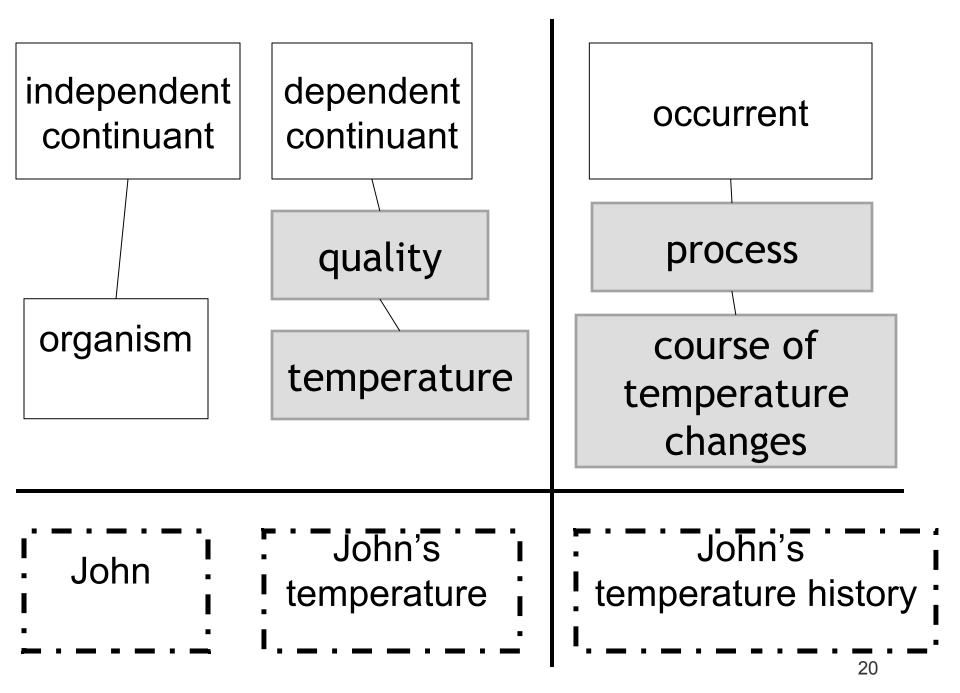


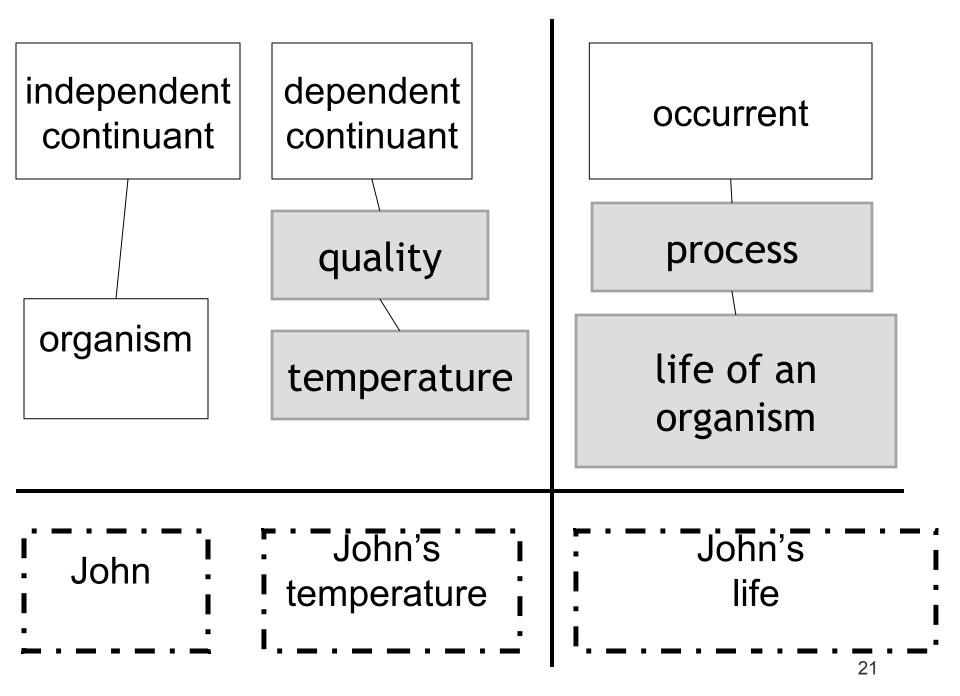


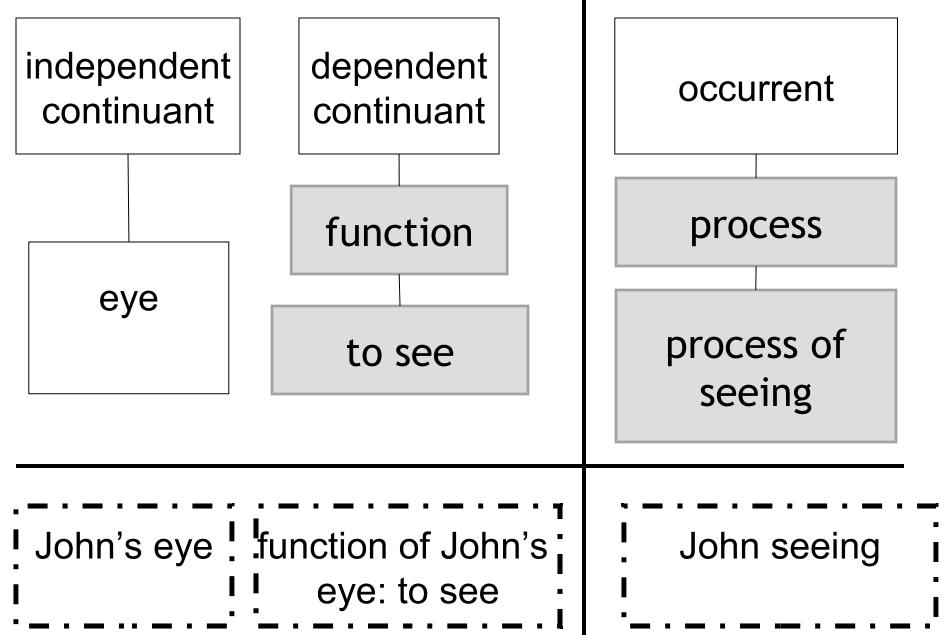


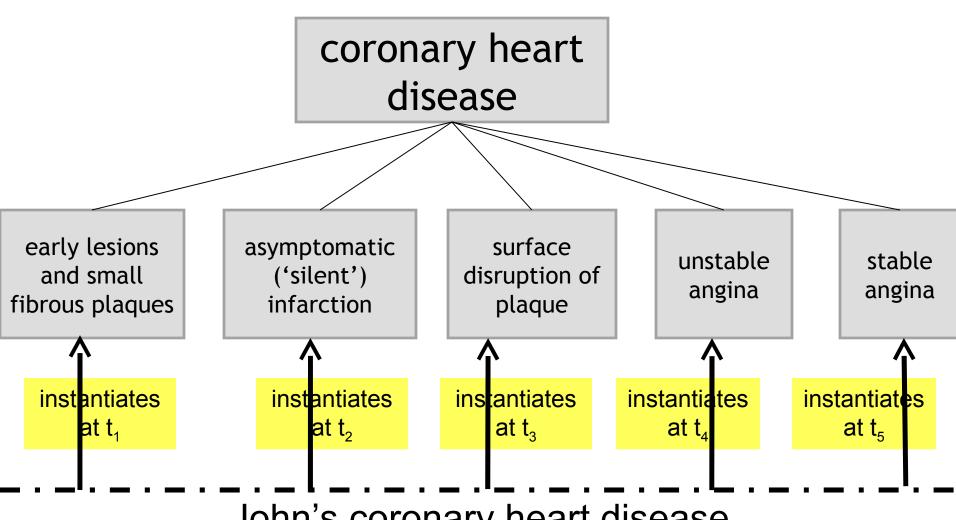
occurrents.











John's coronary heart disease

