

Comparison of Appearance and Substance

Type of Change	Example	Appearance (Accidents)	Substance (Essence)
Natural Appearance	Water to ice or steam* Sperm and Egg	Changed Change	No Change (remains water) Animal/Human
Natural Substance	Metabolism of food* Worm to butterfly Seed to a tree	Changed Changed Changed	Changed (breaks down into energy/waste) Changed Changed
Supernatural Appearance	Miracles of the Loaves* (Matt.14:19)	Changed (quantity)	No Change (remains bread)
Supernatural Substance	Transubstantiation*	Same	Changed

Tran-substantiation: *to change* - Process of change of a substance; Greek: *metaousiosis* (Change of being)

Two sorts of change:

- Appearance (Accidental) change: when nonessential outward appearance is transformed in some way
- Substantial (Essence) change: the change is in appearance AND in substance

***Tran-substantiation* is difficult for the natural mind to grasp and clearly requires a great deal of faith.**

**A Biblical Defense of Catholicism Dave Armstrong*