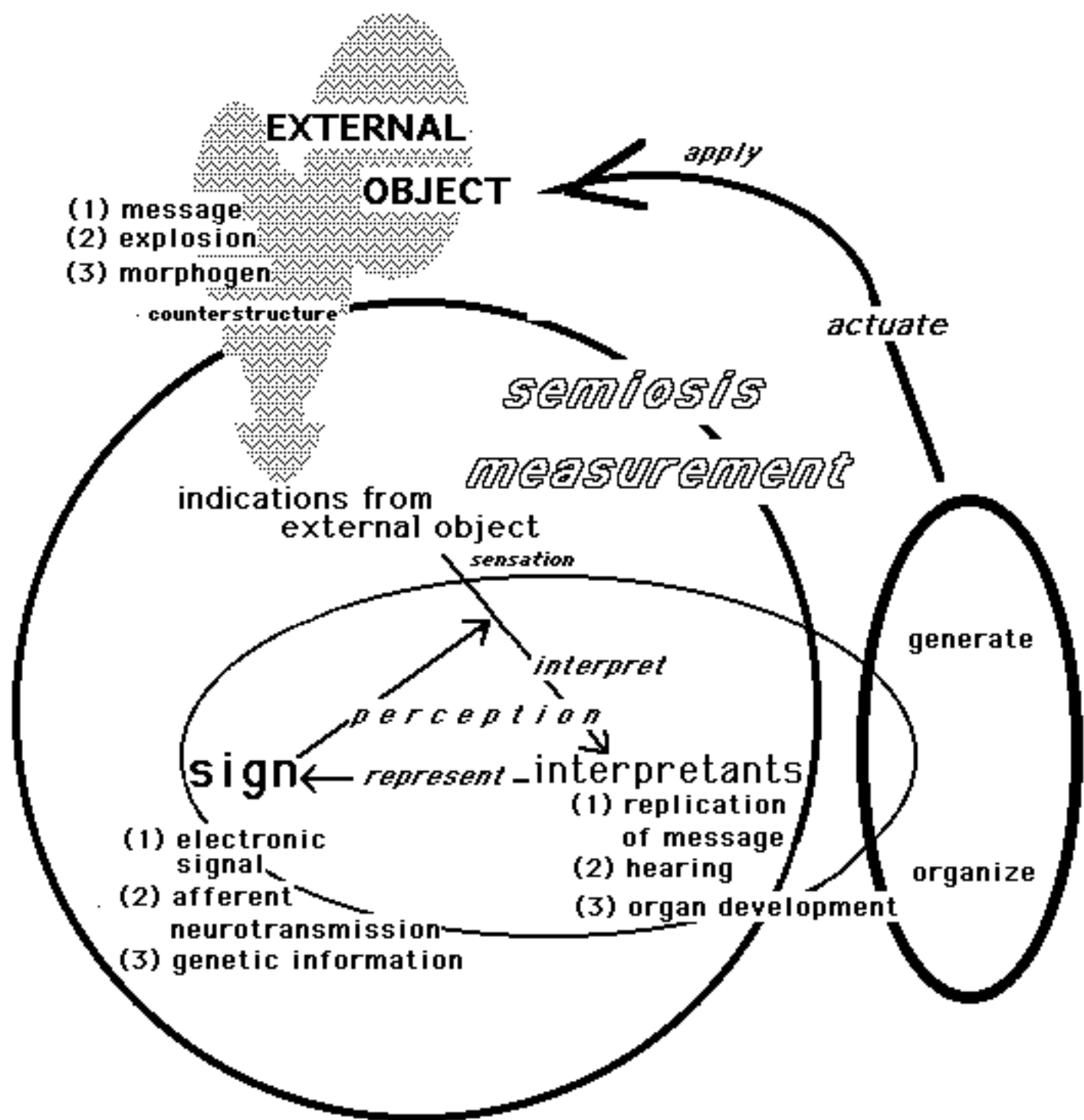




system of interpretance

- | | |
|-------------------------------|----------------------------------|
| (1) telecommunications system | physical → cultural |
| (2) nervous system | physical → chemical → biological |
| (3) developing embryo | chemical → biological |

SPECIFICATION HIERARCHY OF

NATURAL REALMS: {physical {chemical {biological {cultural } } } }