Experimental Unit Card-Swap Activity

SORTING MAT

Key rule The experimental unit is the smallest unit independently assigned to or receiving a treatment.
For every card, agree on: treatment -> experimental unit -> observation unit -> true replication. Then place and justify.

Individual animal is the experimental unit

Treatment is independently assigned to individual animals.

Examples: dog, cow, horse, calf or alpaca

PLACE / STACK CARDS HERE

Group / environment is the experimental unit

Treatment is assigned to a shared group or environment.

Examples: pen, cage, tank, paddock, farm or enclosure

PLACE / STACK CARDS HERE

Something else is the experimental unit

Treatment is independently applied to another kind of unit.

Examples: body part, sample aliquot or animal-period

PLACE / STACK CARDS HERE

Problematic / cannot determine

Allocation is unclear, treatment is unreplicated, or information is insufficient.

Ask what conclusion the design can actually support

PLACE / STACK CARDS HERE

Print at Actual size / 100% scale. One mat per group.