Experimental Unit Card-Swap Activity - Answer Sheet

Shared core cards

Identify what is manipulated, what receives it independently, what is measured, and the number of independent replicates.

Group: _____ Date: _____

Card and scenario	Treatment	Experimental unit	Observation unit	True replication	Reason / evidence
S1 Diet and body weight in dogs					
S2 Feed additive for growing pigs					
S3 Vitamin treatment in dairy cows					
S4 Recovery treatment for horses					
S5 Water temperature and trout growth					
S6 Ventilation in broiler production					

Experimental Unit Card-Swap Activity - Answer Sheet

Group 1 cards

Identify what is manipulated, what receives it independently, what is measured, and the number of independent replicates.

Group: _____ Date: _____

Card and scenario	Treatment	Experimental unit	Observation unit	True replication	Reason / evidence
A1 Milk replacer for dairy calves					
A2 Feeding enrichment for meerkats					
A3 Pasture type and sheep growth					
A4 Pain relief for piglets					
A5 Mineral blocks for grazing cattle					
A6 Incubation temperature and chick development					

Rows 1-3 are original cards; rows 4-6 are supplementary cards.

Experimental Unit Card-Swap Activity - Answer Sheet

Group 2 cards

Identify what is manipulated, what receives it independently, what is measured, and the number of independent replicates.

Group: _____ Date: _____

Card and scenario	Treatment	Experimental unit	Observation unit	True replication	Reason / evidence
B1 Dietary supplement during pregnancy in pigs					
B2 Skin treatment in dogs					
B3 Vaccination reminders in veterinary clinics					
B4 Eye drops for horses					
B5 Two diets in a sheep crossover study					
B6 Bath vaccination of salmon					

Rows 1-3 are original cards; rows 4-6 are supplementary cards.

Experimental Unit Card-Swap Activity - Answer Sheet

Group 3 cards

Identify what is manipulated, what receives it independently, what is measured, and the number of independent replicates.

Group: _____ Date: _____

Card and scenario	Treatment	Experimental unit	Observation unit	True replication	Reason / evidence
C1 Lighting and egg production					
C2 Training methods for puppies					
C3 Diets for shelter cats					
C4 Parasite treatment in alpacas					
C5 Milking training on dairy farms					
C6 Bedding material in dairy barns					

Rows 1-3 are original cards; rows 4-6 are supplementary cards.

Experimental Unit Card-Swap Activity - Answer Sheet

Group 4 cards

Identify what is manipulated, what receives it independently, what is measured, and the number of independent replicates.

Group: _____ Date: _____

Card and scenario	Treatment	Experimental unit	Observation unit	True replication	Reason / evidence
D1 Cooling fans for dairy goats					
D2 Supplementary feeding of honey-bee colonies					
D3 Enrichment for zoo elephants					
D4 Preservatives for milk samples					
D5 Methane inhibitor in dairy cows					
D6 Music enrichment in a shelter wing					

Rows 1-3 are original cards; rows 4-6 are supplementary cards.