

What Goes Around Comes Around Answer Key

Station	Starting Location	Starting Form	Process	Ending Location	Ending Form	Atom, Molecule, or Compound
Atmosphere 1	Atmosphere	N_2	Fixation	Body of Water	NH_4^+	Molecule to Compound
Atmosphere 2	Atmosphere	N_2	Fixation	Fertilizer	NH_4^+	Molecule to Compound
Atmosphere 3	Atmosphere	N_2	Fixation	Soil	NH_4^+	Molecule to Compound
Soil 1	Soil	NO_3^-	Physical Movement	Groundwater	NO_3^-	Compound to Compound
Soil 2	Soil	NH_4^+	Nitrification	Soil	NO_3^-	Compound to Compound
Soil 3	Soil	NO_3^-	Assimilation	Plants	Organic N	Compound to Compound
Fertilizer 1	Fertilizer	NH_4^+	Assimilation	Plants	Organic N	Compound to Compound
Fertilizer 2	Fertilizer	NO_3^-	Physical Movement	Groundwater	NO_3^-	Compound to Compound
Fertilizer 3	Fertilizer	NO_3^-	Denitrification	Atmosphere	N_2	Compound to Molecule
Plants 1	Plants	Organic N	Physical Movement	Soil	NH_4^+	Compound to Compound
Plants 2	Plants	Organic N	Assimilation	Waste/Decay	NH_4^+	Compound to Compound
Plants 3	Plants	Organic N	Assimilation	Waste/Decay	NH_4^+	Compound to Compound
Waste/Decay 1	Waste/Decay	Organic N or NH_4^+	Ammonification	Fertilizer	NH_4^+	Compound to Compound
Waste/Decay 2	Waste/Decay	Organic N or NH_4^+	Physical Movement	Body of Water	NH_4^+	Compound to Compound
Waste/Decay 3	Waste/Decay	Organic N or NH_4^+	Ammonification	Soil	NH_4^+	Compound to Compound
Body of Water 1	Body of Water	NO_3^-	Physical Movement	Groundwater	NO_3^-	Compound to Compound
Body of Water 2	Body of Water	NO_3^-	Assimilation	Plants	Organic N or NH_4^+	Compound to Compound or Molecule
Body of Water 3	Body of Water	NO_3^-	Denitrification	Atmosphere	N_2	Compound to Molecule
Groundwater 1	Fertilizer	NO_3^-	Physical Movement	Body of Water	NO_3^-	Compound to Compound
Groundwater 2	Fertilizer	NO_3^-	Physical Movement	Soil	NO_3^-	Compound to Compound
Groundwater 3	Fertilizer	NO_3^-	Denitrification	Atmosphere	N_2	Compound to Molecule