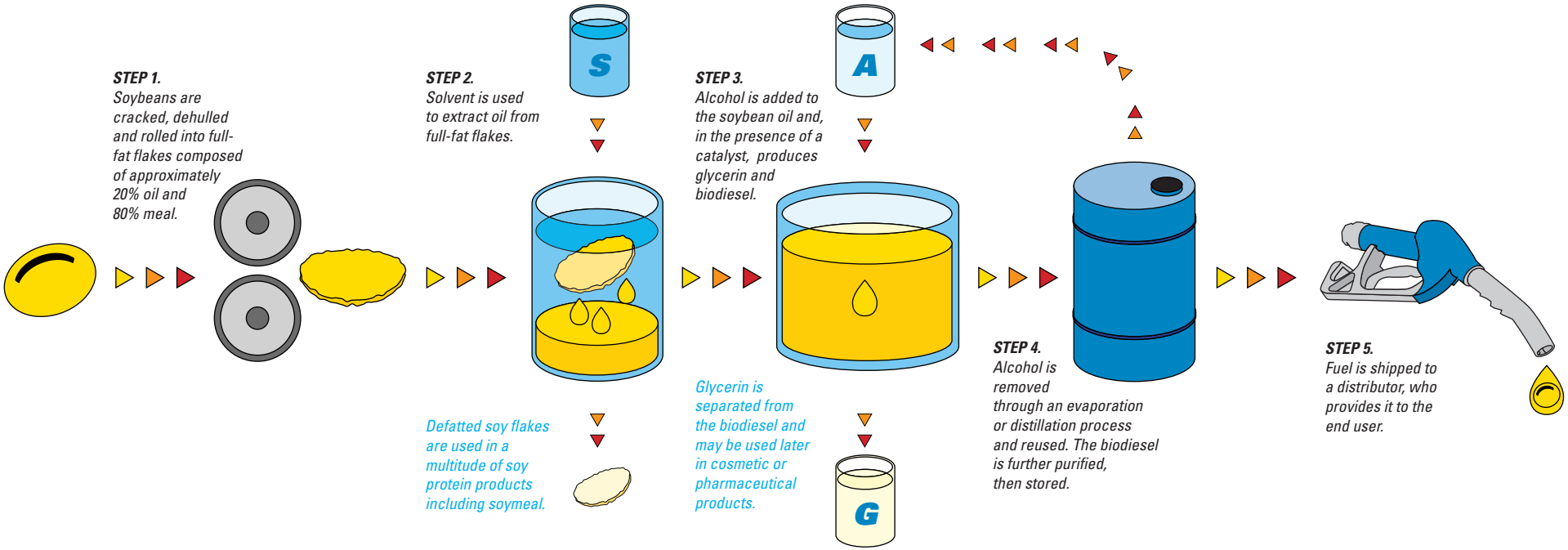
STEP 1.
Soybeans are cracked, dehulled and rolled into full-fat flakes composed of approximately 20% oil and 80% meal.
STEP 2.
Solvent is used to extract oil from full-fat flakes.
S
Defatted soy flakes are used in a multitude of soy protein products including soymeal.
STEP 3.
Alcohol is added to the soybean oil and, in the presence of a catalyst, produces glycerin and biodiesel.
A
Glycerin is separated from the biodiesel and may be used later in cosmetic or pharmaceutical products.
G
STEP 4.
Alcohol is removed through an evaporation or distillation process and reused. The biodiesel is further purified, then stored.
STEP 5.
Fuel is shipped to a distributor, who provides it to the end user.