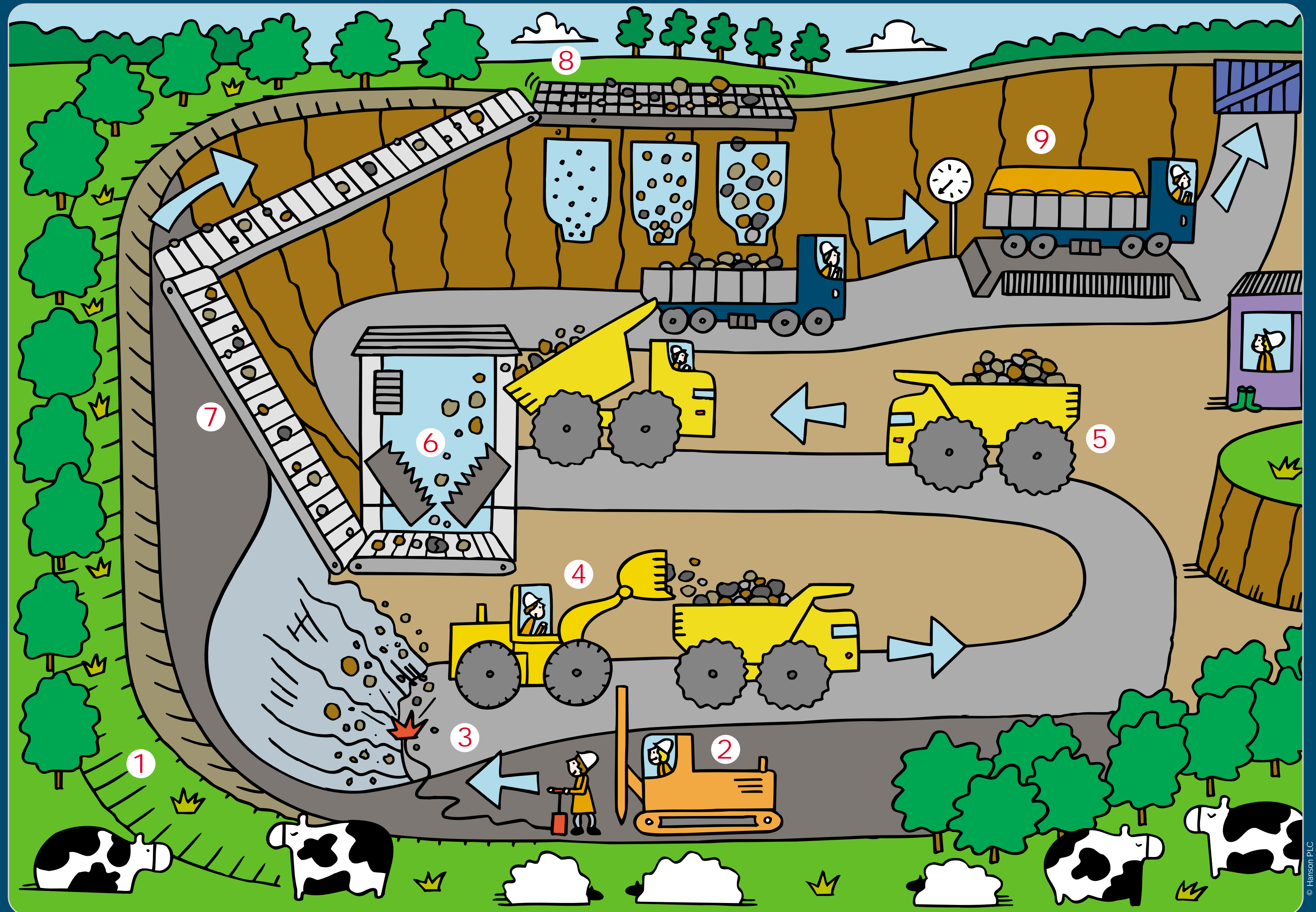


HOW ROCK IS QUARRIED

I'm Doug, and drilling is the game! Everyone relies on me to keep the quarry supplied with rock so the rest of the workers can do their jobs...



1 A raised screenbank hides the quarry and reduces noise

2 The driller makes holes in the rock face for the explosives

3 When everyone is at a safe distance, the rock is blasted

4 The loading shovel scoops the rock into the dumper

5 The dumper truck takes the rock to the plant

6 The crusher breaks the rock down into smaller pieces

7 A conveyor belt transports the rock

8 The rock may be crushed again before screening. Screening is when the rock is passed through big sieves, sorting it into different sizes. The

various rock sizes all have different end uses. Some rock is mixed with bitumen and filler to produce asphalt that is used in the construction of roads. Fine aggregates are used in the production of glass, toothpaste and concrete. The

biggest pieces, or coarse aggregates, are used for building foundations and roadcore

9 A weighbridge measures the load on the truck, before the rock is delivered to its final destination