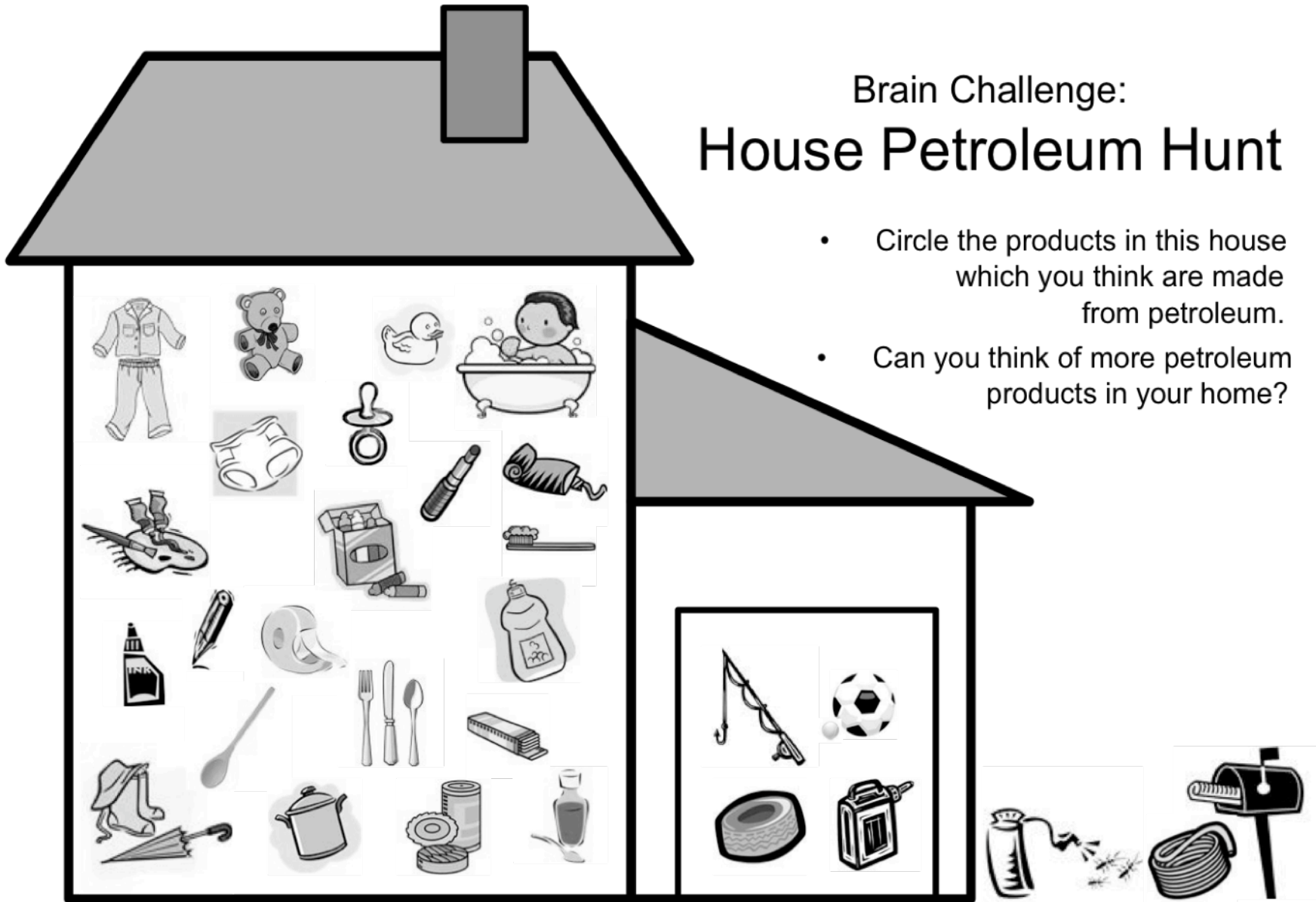


# Brain Challenge: House Petroleum Hunt

- Circle the products in this house which you think are made from petroleum.
- Can you think of more petroleum products in your home?



## **Presenter and Teacher Notes:**

**Objective:** *to help the children be aware of how many products in their homes are made entirely or partly from petroleum.*

- Have the children circle the household items they think are made from petroleum.
- Discuss their choices.
- Explain which products are made from petroleum.
- Have the children think of more petroleum and non-petroleum products in their homes. They may find it difficult to think of several products which are not made from petroleum.

### **House Petroleum Hunt:**

- Products made entirely or partly from petroleum:
  - Pyjamas (polyester)
  - Teddy bear (some made from synthetic fur or “plush” fur)
  - Rubber Duck (made from rubber or rubber-like material such as vinyl-plastic)
  - Bubble Bath (surfactants – play an important role in cleaning, wetting, dispersing, emulsifying, foaming and antifoaming agents)
  - Bath Tub (if made from acrylic or coated with enamel)
  - Diaper/Nappy (polyethelene film, superabsorbent polymers)
  - Pacifier (plastic)
  - Lipstick (contains oils, waxes and emollients)
  - Toothpaste (some contain a surfactant)
  - Toothbrush (nylon)
  - Washing Liquid (surfactants)
  - Acrylic paint (pigment in an acrylic polymer emulsion)
  - Pencils (some have plastic casings)
  - Ink (lubricants and surfactants)

- Transparent tape (the sticky part [adherend] is made from chemically treated petroleum products)
  - Crayons (pigment in paraffin wax)
  - Rubber boots/Wellies (rubber or polyvinyl chloride [PVC])
  - Umbrella (nylon canopy)
  - Bubble Gum (usually made of synthetic rubber known as polyisobutylene and may also contain vinyl acetate, listed as a “gum base” on the packet)
  - Cough Syrup (glycerine may be derived from a petroleum source)
  - Fishing Rod (for ‘graphite’ rods – synthetic resins are added to carbon graphite; nylon fishing line)
  - Soccer ball/tennis ball (Soccer ball – synthetic leather cover, polyester string stitching, polyester lining, latex bladder. Tennis ball – latex rubber and a wool/nylon fabric)
  - Tyre (can be made from synthetic rubber, nylon belt)
  - Gasoline/Petrol
  - Pesticides (the active ingredient is derived from petroleum; kerosene as a carrier, though being replaced by water)
  - Garden Hose (made of synthetic rubber or soft plastic)
  - Mailbox (plastic)
  - Newspaper (Ink)
  - Hat (acrylic)
  - Canned Food (the can itself is made of a tin coated steel or aluminium, however, can be lined inside with a plastic coating. The label can be paper or plastic. Some foods contain synthetic preservatives derived from petroleum)
- Products not derived from petroleum:
    - Wooden spoon
    - Stainless steel pot (without a plastic handle; stainless steel is an alloy of iron, nickel and chromium and may also include titanium, molybdenum, vanadium and copper)
    - Hat (if made entirely of cotton, straw, fur, hide)
    - Cutlery (stainless steel, silver)