

Attachment 5

Odor Identification - Ages 3-9

Name of test: Odor Identification (Ages 3-9)

Estimated time burden: 5 minutes

Number of items: 6

Odors used:

| | |
|----------|------------|
| Cinnamon | Bubble Gum |
| Lemon | Chocolate |
| Play Doh | Popcorn |

Instructions to subjects:

Materials:

Laptop
Monitor
Scratch 'n' Sniff cards
Scratcher (e.g., guitar pick)

Description: This task assesses the ability to identify various odors. Before identifying the odors, the child participants are asked to identify the eight pictures that are used as answer choices. Having identified the pictures, they are asked if they have tasted or smelled the objects or foods depicted. All participants use scratch 'n' sniff cards and after scratching them, are asked to identify which of four pictures on the screen matches the odor they have just smelled.

If a participant has difficulty using the mouse, he/she may point and the examiner may operate the mouse. When this happens, the examiner should say something like the following to the participant: “You can point to the picture you want and then I will use the mouse to click on it for you.”

For this age group, there are two parts to the instructions: picture identification and odor identification.

Public reporting burden for this collection of information is estimated to average 2 1/2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-xxxx*) EXP: (xx/xxxx). Do not return the completed form to this address.

Part 1: Picture Identification:

The participant is presented with a screen that shows eight pictures: *Popcorn*, *Flower*, *Lemon*, *Play Doh*, *Bubble Gum*, *Chocolate*, *Coffee*, and *Cinnamon*. Each question and a form to record the child's responses will appear one at a time on the examiner's screen.

The examiner should say: "Now, we're going to look at some pictures. I want to see if you know what they are."

Say: "Point to the picture of a *Flower*." If incorrect, point to the flower and say: "This is a *Flower*." Mark correct ("Yes") or incorrect ("No") on the examiner screen.

Ask all participants: "Have you ever smelled a *Flower*?" Mark yes or no on the examiner screen.

Say: "Point to the picture of *Popcorn*." If incorrect, point to the popcorn and say: "This is *Popcorn*." Mark correct ("Yes") or incorrect ("No") on the examiner screen.

Ask all participants: "Have you ever tasted or smelled *Popcorn*?" Mark yes or no on the examiner screen.

Say: "Point to the picture of *Lemon*." If incorrect, point to the picture of the lemon and say: "This is *Lemon*." Mark correct ("Yes") or incorrect ("No") on the examiner screen.

Ask all participants: "Have you ever tasted or smelled *Lemon*?" Mark yes or no on the examiner screen.

Say: "Point to the picture of *Play Doh*." If incorrect, point to the picture of Play Doh and say: "This is *Play Doh*." Mark correct ("Yes") or incorrect ("No") on the examiner screen.

Ask all participants: "Have you ever smelled *Play Doh*?" Mark yes or no on the examiner screen.

Say: "Point to the picture of *Cinnamon*." If incorrect, point to the picture of cinnamon and say: "This is *Cinnamon*." Mark correct ("Yes") or incorrect ("No") on the examiner screen.

Ask all participants: "Have you ever tasted or smelled *Cinnamon*?" Mark yes or no on the examiner screen.

Say: "Point to the picture of *Coffee*." If incorrect, point to the picture of coffee and say: "This is *Coffee*." Mark correct ("Yes") or incorrect ("No") on the examiner screen.

Ask all participants: "Have you ever smelled *Coffee*?" Mark yes or no on the examiner screen.

Say: "Point to the picture of *Chocolate*." If incorrect, point to the picture of chocolate and say: "This is *Chocolate*." Mark correct ("Yes") or incorrect ("No") on the examiner screen.

Ask all participants: “Have you ever tasted or smelled *Chocolate*?” Mark *yes* or *no* on the examiner screen.

Say: “Point to the picture of *Bubble Gum*.” If incorrect, point to the picture of bubble gum and say: “This is *Bubble Gum*.” Mark *correct* (“Yes”) or *incorrect* (“No”) on the examiner screen.

Ask all participants: “Have you ever smelled or tasted *Bubble Gum*?” Mark *yes* or *no* on the examiner screen.

At the end of these questions, the examiner’s screen will be refreshed with the names of those pictures that were not correctly identified on the first trial. These items will appear on the examiner’s screen one at a time, and are to be repeated with the instruction: “Point to the picture of...,” and again the examiner will mark *correct* or *incorrect*, correcting the child by saying: “This is...” (Note: the examiner should *not* repeat the “Have you ever smelled...” question to the child.)

Part 2: Odor Identification:

For this age group, the examiner will scratch the card and hand it to the participant, saying: “I am going to give you some stickers to smell. After you have smelled the sticker, click on the picture that shows what you just smelled. If you want to change your choice, click on the hand, also called the GO BACK button (point to the button on the child’s screen). Let’s begin.” If the participant is having difficulty using the mouse, the examiner may operate the mouse (see the note above).

NOTE: The child is not permitted to go back beyond the previous item he/she attempted. The examiner should monitor this closely and if the child attempts to go back beyond the previous item, say: “You can only go back to the last item you smelled.”

When the child has completed all six cards, say: “We are done with the smells.”

Below is a participant screen similar to the ones used in this task:

