**ISTRAŽIVAČKI PROJEKT 5. RAZRED**

**ISTRAŽIMO SVOJSTVA I SASTAV ZRAKA**

**Pokus 1 Istraži ima li zrak masu**

**Istraživačko pitanje:** Ima li zrak masu?

**Materijal i pribor:**

2 balona, vaga, gubica

**Opis pokusa:**

1. Izvaži prazan balon.
2. Napumpaj i zaveži drugi balon.
3. Razultate zapiši u tablicu.

**Crtež:**

**Opažanja:**

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**Rezultati:**

**Tablica 1. Rezultati istraživanja**

|  |  |  |
| --- | --- | --- |
| **masa praznog balona** | **masa punog balona** | **masa zraka** |
|  |  |  |

**Rezultati pokusa pokazuju \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

Na osnovu izvedenog pokusa donesi zaključke i odgovori na slijedeća pitanja.

1. Ima li zrak masu?
2. Može li se odrediti masa zraka?

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**Moj zaključak pokusa:**

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**Pokus 2 Istraži ima li zrak volumen?**

**Materijal i pribor:**

jedna manja čaša, jedna veća čaša, prehrambena ili tinta, voda komad papira

**Istraživačko pitanje:** Ima li zrak volumen?

**Opis pokusa:**

1. na dno manje čaše stavi komad zgužvanog papira
2. veću čašu napola napuni vodom i u nju kapni nekoliko kapi tinte ili prehrambene boje. Otvorom okrenutim prema dolje uroni manju čašu u veću.
3. izvadi manju čašu i opipaj papir u njoj.

**Opažanja:**

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**Crtež:**

**Rezultati:**

**Rezultati pokusa pokazuju \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

Na osnovu izvedenog pokusa donesi zaključke i odgovori na slijedeća pitanja.

1. Kakav je papir nakon uranjanja u vodu?
2. Zašto je papir ostao suh nakon uranjanja u vodu? Što nije dopustilo prodiranje vode u manju čašu?
3. Ima li zrak volumen?

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**Moj zaključak pokusa:**

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