|  |  |  |  |
| --- | --- | --- | --- |
| Card no. 1Monitor**186** | Card no. 2Beta**247** | Card no. 31 mm Aluminium**128** | Card no. 4Fission**265** |
| Card no. 5Alpha**599** | Card no. 61 mSv**223** | Card no. 7Radioactive waste**657** | Card no. 8Sheet of paper**118** |
| Card no. 9Fusion**459** | Card no. 102.2 mSv**268** | Card no. 11Distance**225** | Card no. 12Gamma**603** |
| Card no. 13Radon gas**911** | Card no. 143 mm Aluminium**113** | Card no. 15Cosmic rays**613** | Card no. 16Several cm of lead**870** |
| Card no. 1720 mSv**728** | Card no. 181 mm lead**712** | Card no. 19Shield**054** | Card no. 20Chain reaction**113** |

|  |  |  |  |
| --- | --- | --- | --- |
| Card no. 1Monitor**186** | Card no. 2Beta**247** | Card no. 31 mm Aluminium**128** | Card no. 4Fission**265** |
| Card no. 5Alpha**599** | Card no. 61 mSv**223** | Card no. 7Radioactive waste**657** | Card no. 8Sheet of paper**118** |
| Card no. 9Fusion**459** | Card no. 102.2 mSv**268** | Card no. 11Distance**225** | Card no. 12Gamma**603** |
| Card no. 13Radon gas**911** | Card no. 143 mm Aluminium**113** | Card no. 15Cosmic rays**613** | Card no. 16Several cm of lead**870** |
| Card no. 1720 mSv**728** | Card no. 181 mm lead**712** | Card no. 19Shield**054** | Card no. 20Chain reaction**113** |

Task 5: Guess Who. Lay out all 20 cards in order, Reject the card if it is an answer to one of the statements below.

1 Reject the three types of radiation

2 Reject all that gamma can pass through

3 Reject the ways to control your dose

4 Reject causes of background radiation

5 Reject your average Annual background radiation

6 Reject your average annual effective dose limit for radiation workers

7 Reject the process where hydrogen combines to form helium

8 Reject the name given to the process where neutrons released in reaction produce additional neutron(s) which can cause more nuclei to split.

9 Reject a reaction in which the nucleus of an atom splits into two or more smaller nuclei.

*This should leave you with one card, the three digit code at the bottom of the card will open the lock*

Task 5: Guess Who. Lay out all 20 cards in order, Reject the card if it is an answer to one of the statements below.

1 Reject the three types of radiation

2 Reject all that gamma can pass through

3 Reject the ways to control your dose

4 Reject causes of background radiation

5 Reject your average Annual background radiation

6 Reject your average annual effective dose limit for radiation workers

7 Reject the process where hydrogen combines to form helium

8 Reject the name given to the process where neutrons released in reaction produce additional neutron(s) which can cause more nuclei to split.

9 Reject a reaction in which the nucleus of an atom splits into two or more smaller nuclei.

*This should leave you with one card, the three digit code at the bottom of the card will open the lock*